

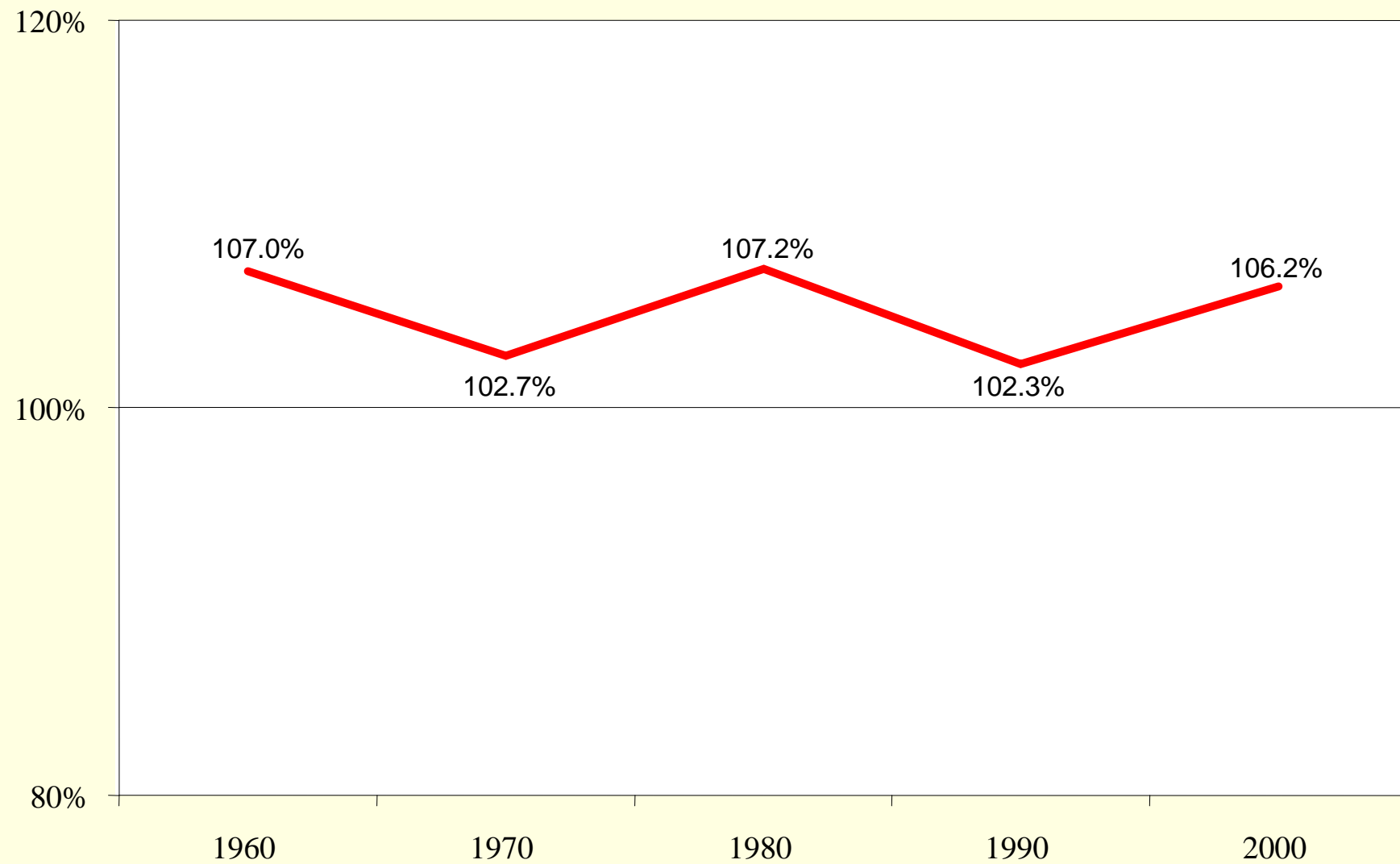
Washington Planning Information

Presented to the Washington Higher
Education Coordinating Board

July 30, 2003 (Revised August 6, 2003)

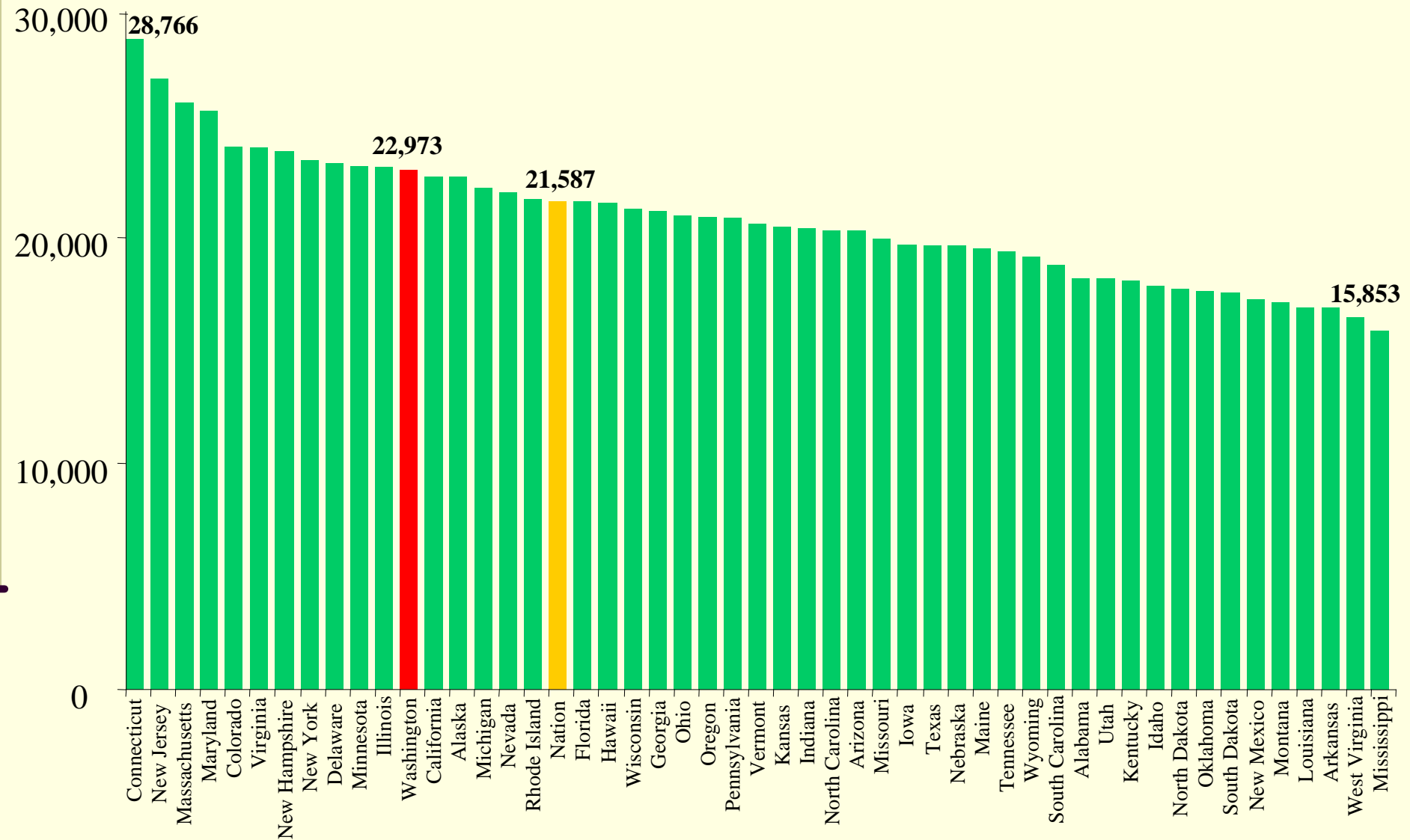
National Center for Higher Education
Management Systems

Washington Per Capita Income as a Percent of US



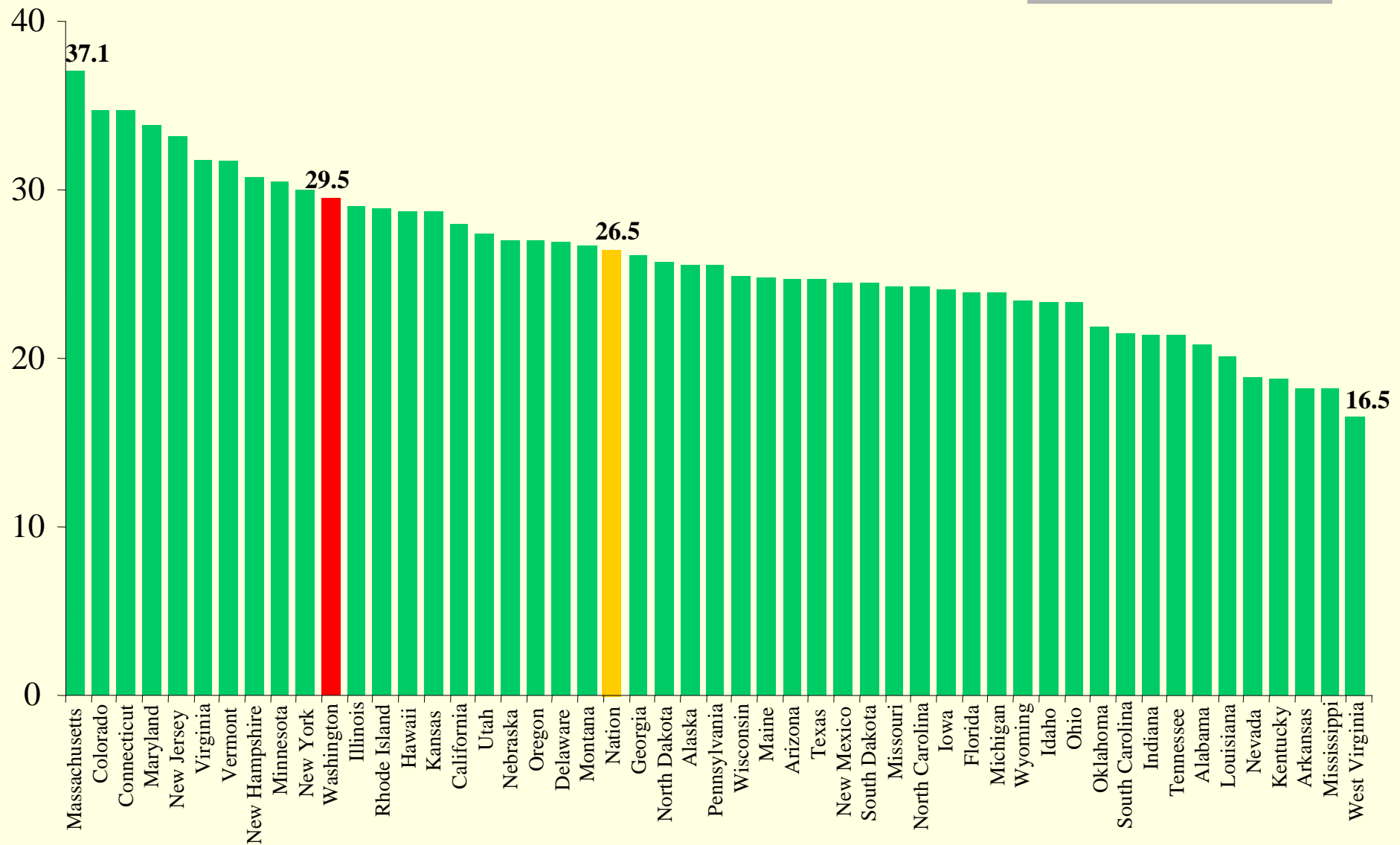
Source: US Bureau of Economic Analysis

Per Capita Personal Income (\$) - 1999



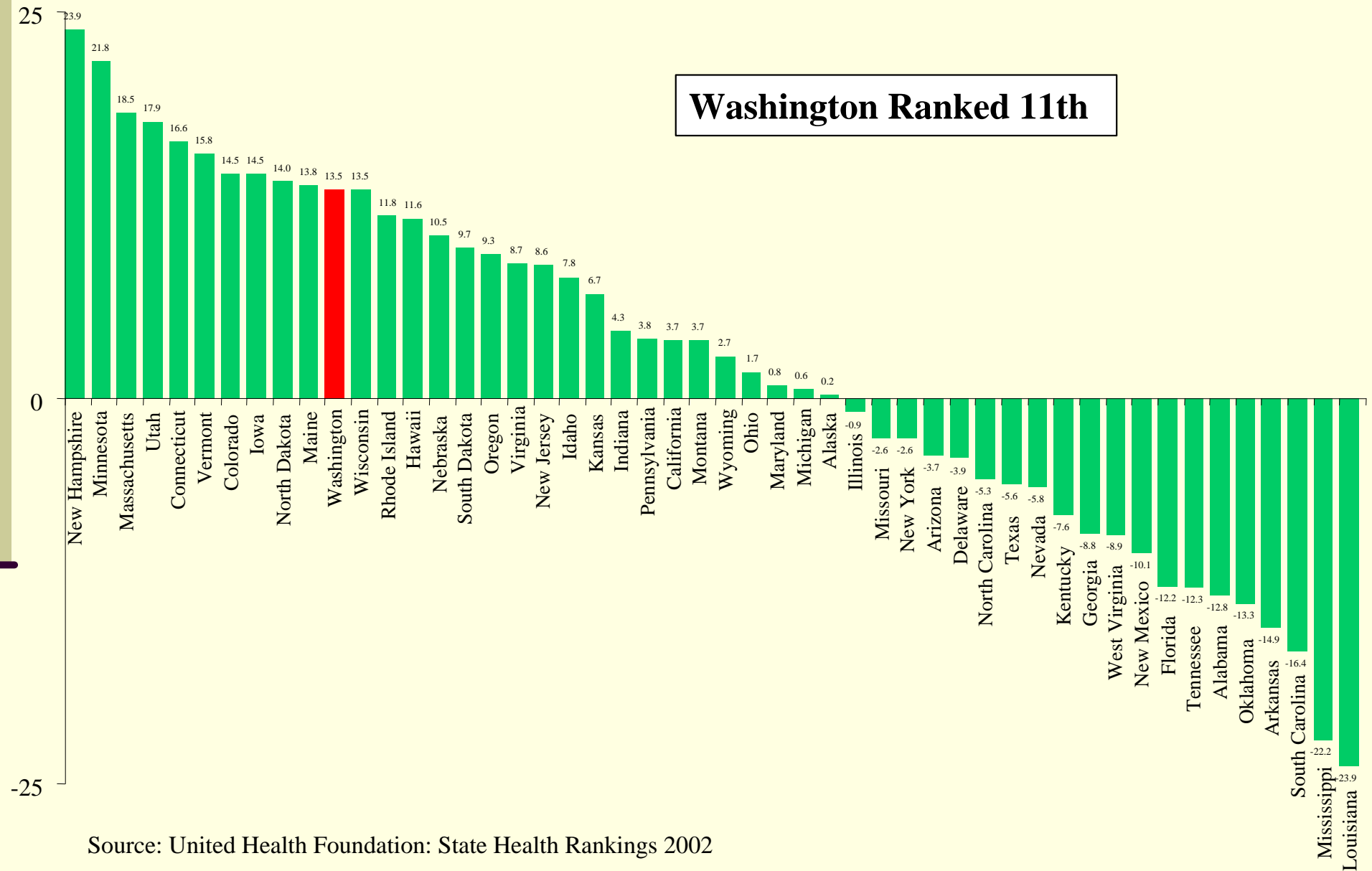
Source: US Census Bureau, 2000

Percent of 25 to 64 Year Olds with a Bachelor's Degree or Higher (%) - 2000



Source: US Census Bureau

Index Scores on State Health Rankings - 2002



Source: United Health Foundation: State Health Rankings 2002

Corporation for Enterprise Development Report Card - 2002

Performance	B	Employment	C
		Earnings and Job Quality	C
		Equity	F
		Quality of Life	B
		Resource Efficiency	A
Business Vitality	A	Competitiveness of Existing Bus.	C
		Structural Diversity	F
		Entrepreneurial Energy	A
Development Capacity	A	Human Resources	C
		Financial Resources	B
		Infrastructure Resources	A
		Amenity Resources	A
		Innovation Assets	A

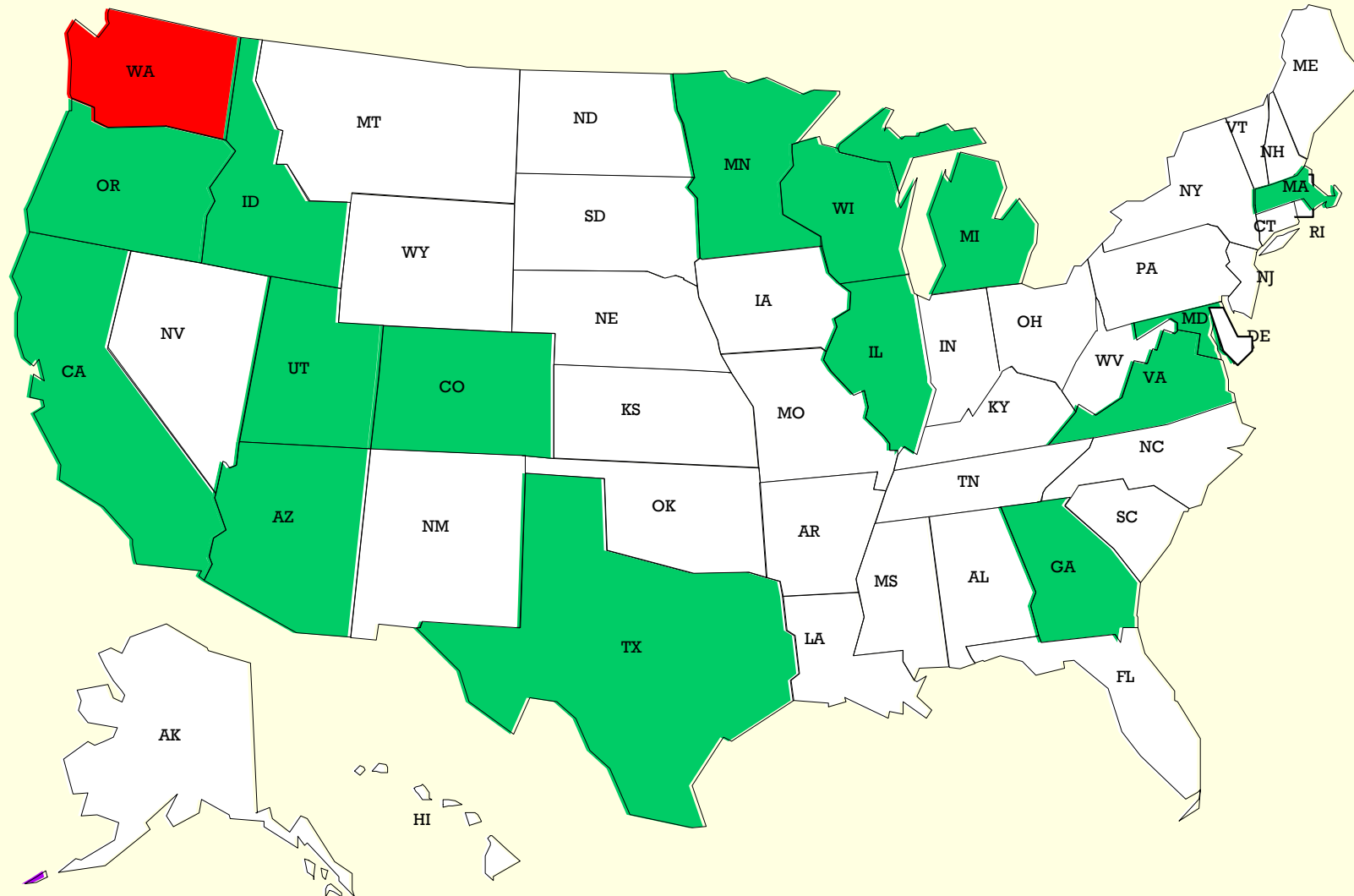
Strengths (Top 10 States)	
Rank	Measure
1	New Companies
2	New Business Job Growth
3	Digital Infrastructure
3	Technology Jobs
3	Private R&D
3	Conversion of Cropland to Other Uses
4	Urban Mass Transit
4	Households with Computers
4	Energy Costs
4	Venture Capital Investments
6	Royalties and Licenses
6	Recycling Rate
6	Change in Traded Sector Strength
6	Infant Mortality
7	High School Attainment
8	Heart Disease
8	Average Annual Pay
9	Traded Sector Strength
10	Toxic Release Inventory

Weaknesses (Bottom 10 States)	
Rank	Measure
41	Homeownership Rate
41	Basic Educational Skills Proficiency-Math
41	K-12 Educational Expenditures
43	Involuntary Part Time Employment
44	Crime Rate
44	Manufacturing Capital Investment
46	Income Distribution
47	Dynamic Diversity
50	Income Distribution Change
50	Business Closings
50	Unemployment Rate

Emerging Themes

- Improve college participation
- Additional capacity
 - Additional participants
 - Upper division/transfers
- Improve responsiveness to workforce needs
 - Teachers
 - Nurses
 - Engineers/computer scientists
 - Basic workplace skills (especially young adults)
- Enhance continuing professional education (post bacc.)
- Improve performance of high school students (particularly math)
- Decrease disparities across the state

Washington and Comparison States

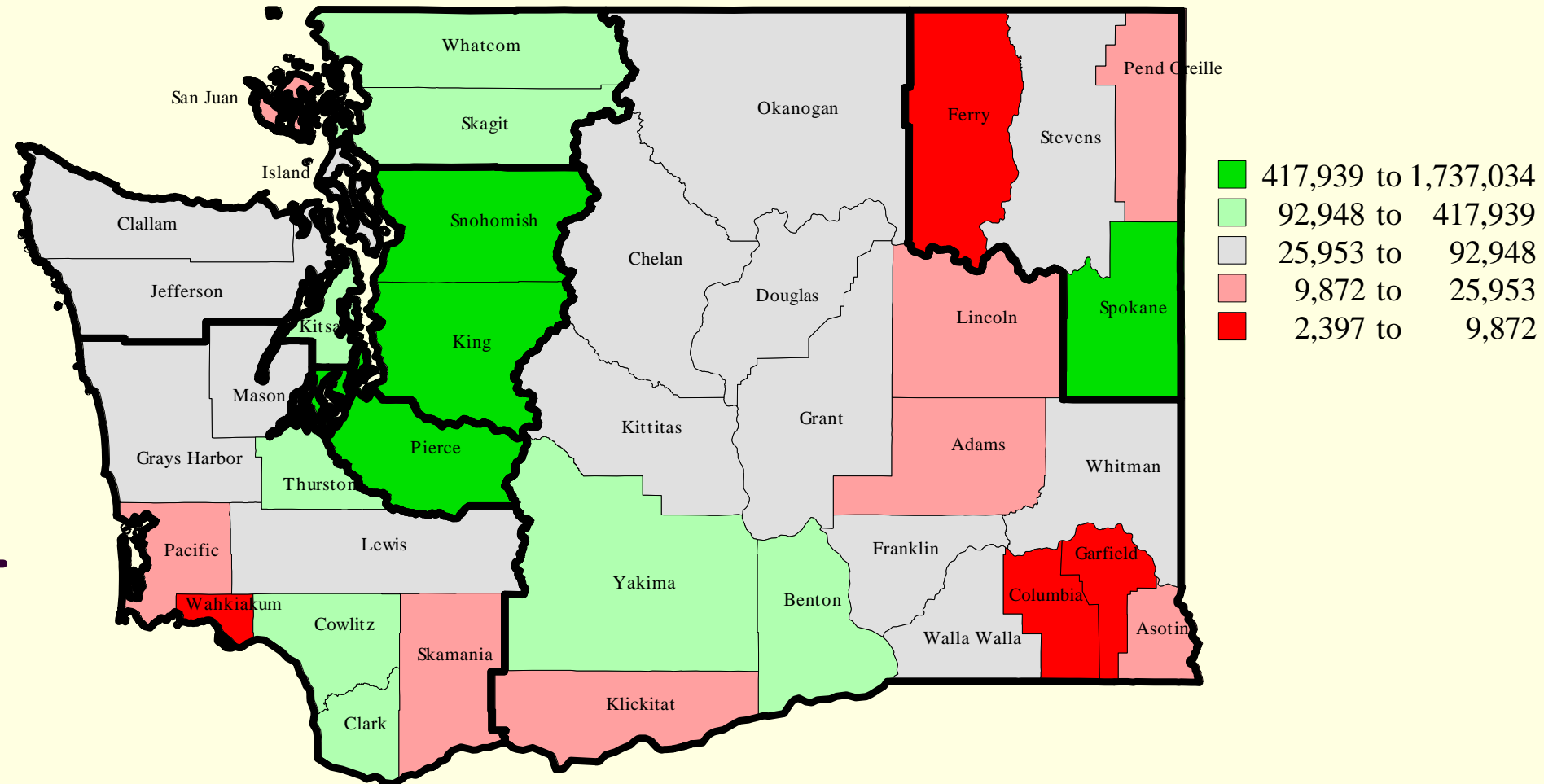


Source: Negotiated with NCHEMS and the Project Staff in Washington

Washington Planning Information

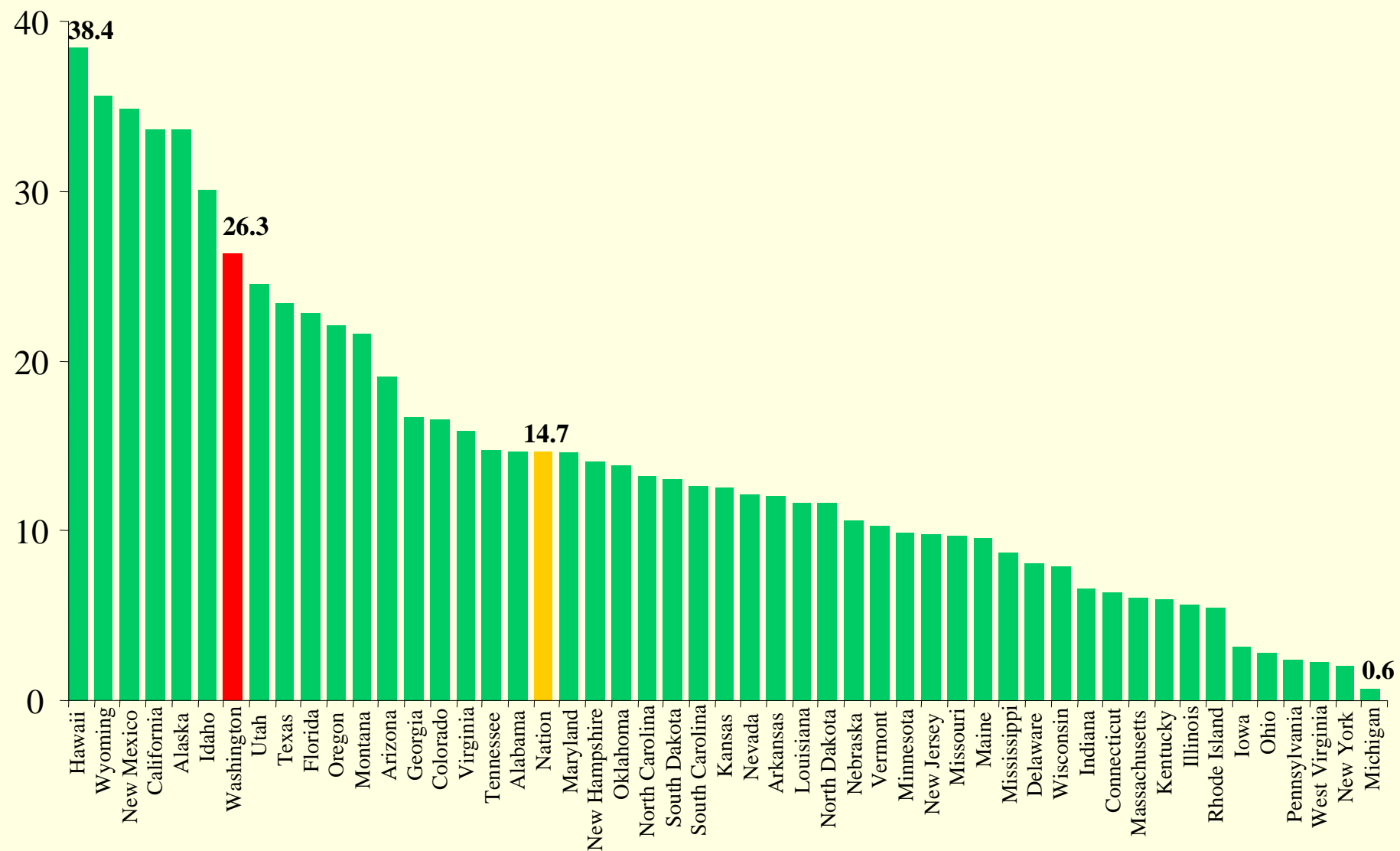
Population Characteristics

Total Population, 2000



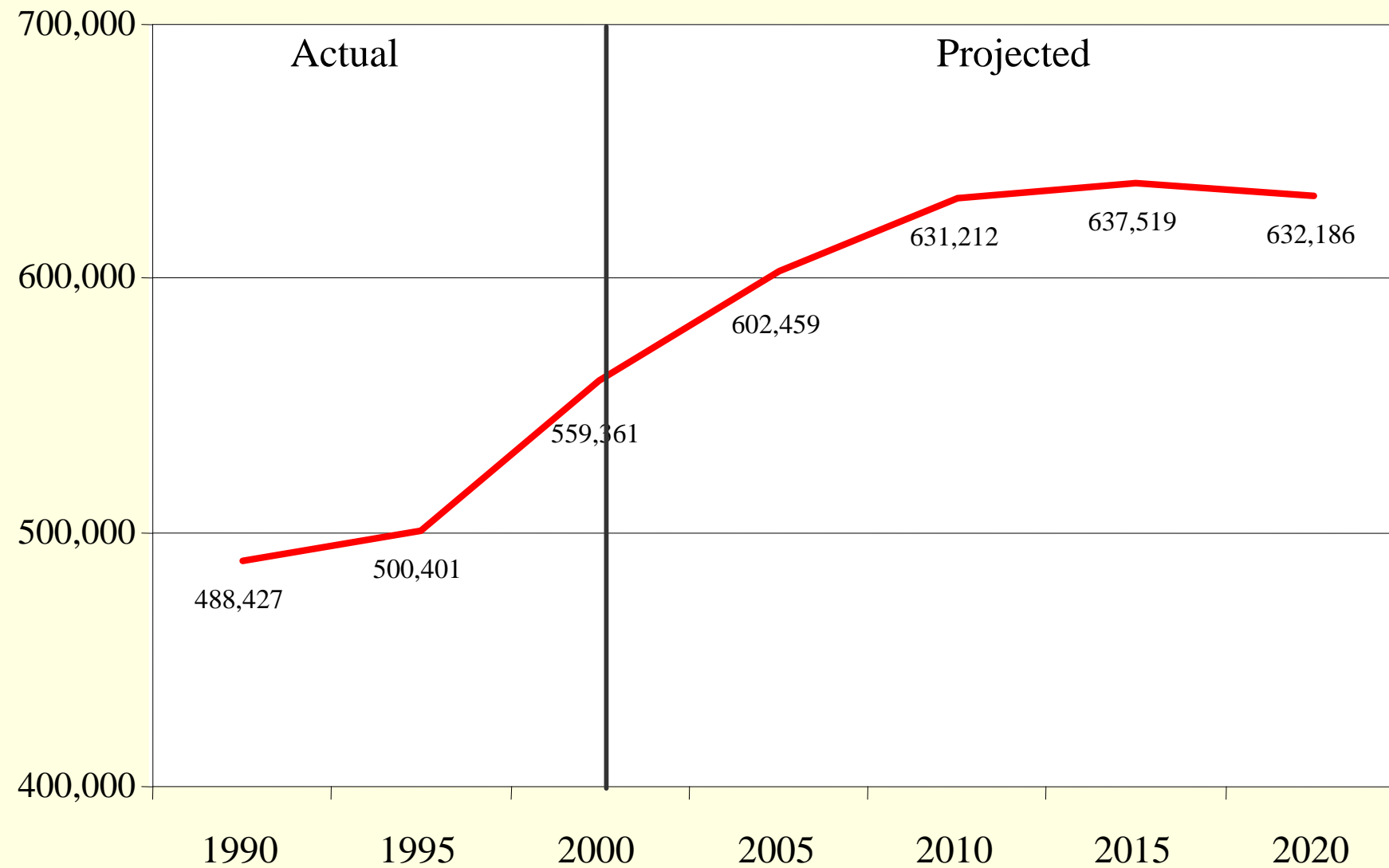
Washington = 5,894,121
Data Source: US Census Bureau, 2000 Census

Projected Percent Change in Population from 2000 to 2020 (%)



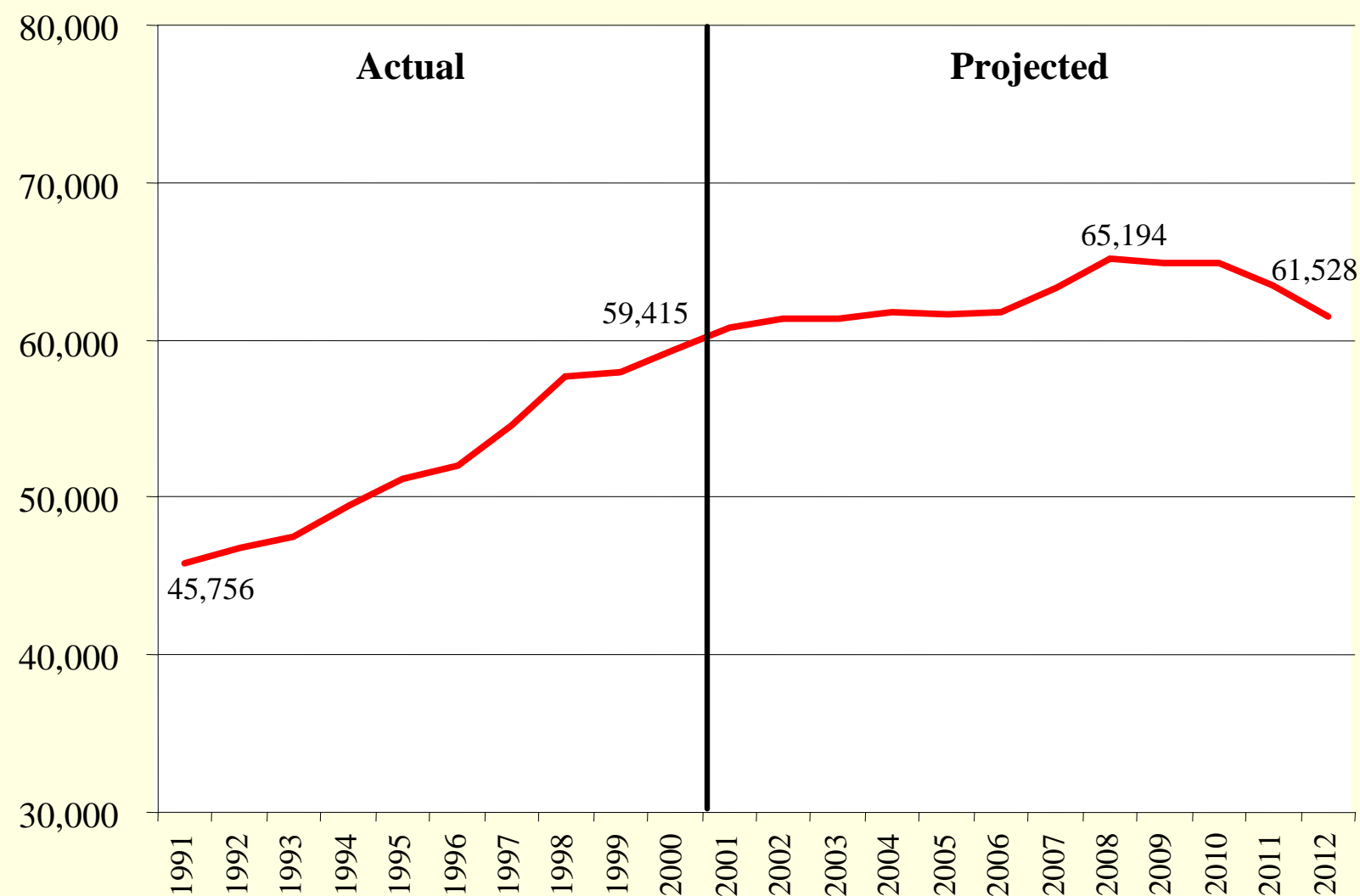
Source: US Census Bureau

Change in Population of 18 to 24 Year Olds from 1990 to 2020



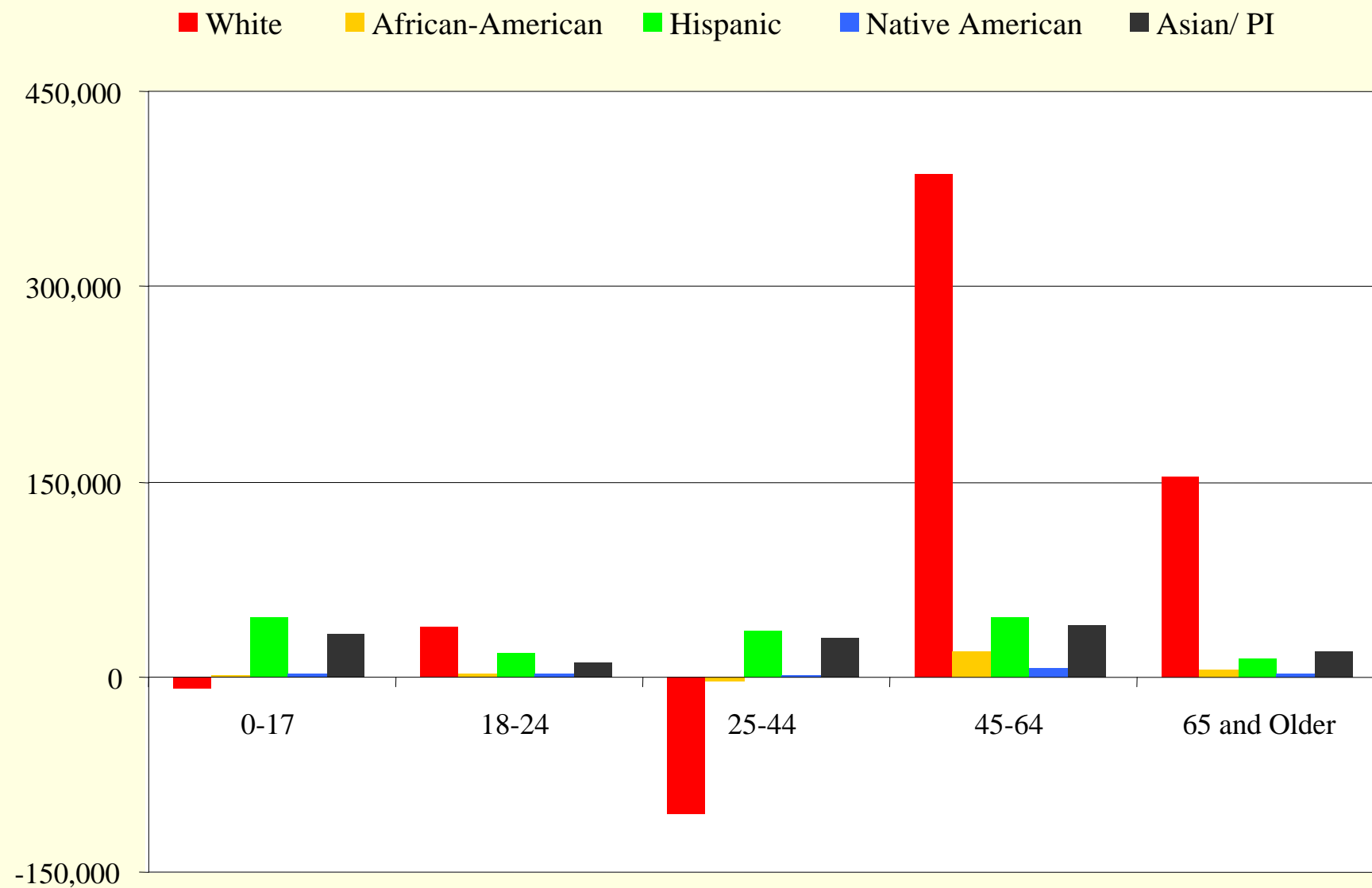
Source: US Census Bureau

Growth in the Number of High School Graduates



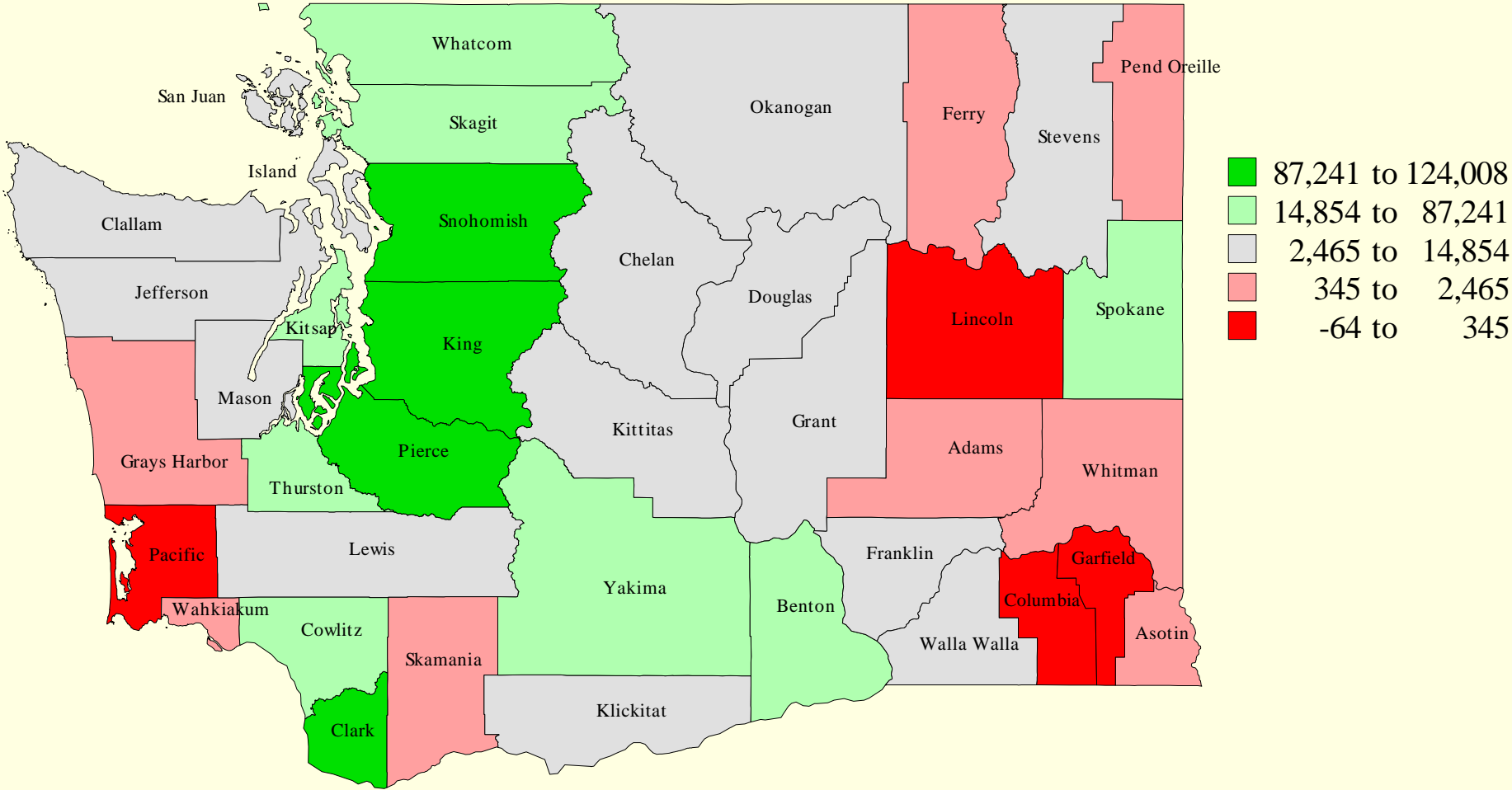
Source: Washington Higher Education Coordinating Board

Projected Washington Population – Number Growth from 2000 to 2010 (By Age and Race)



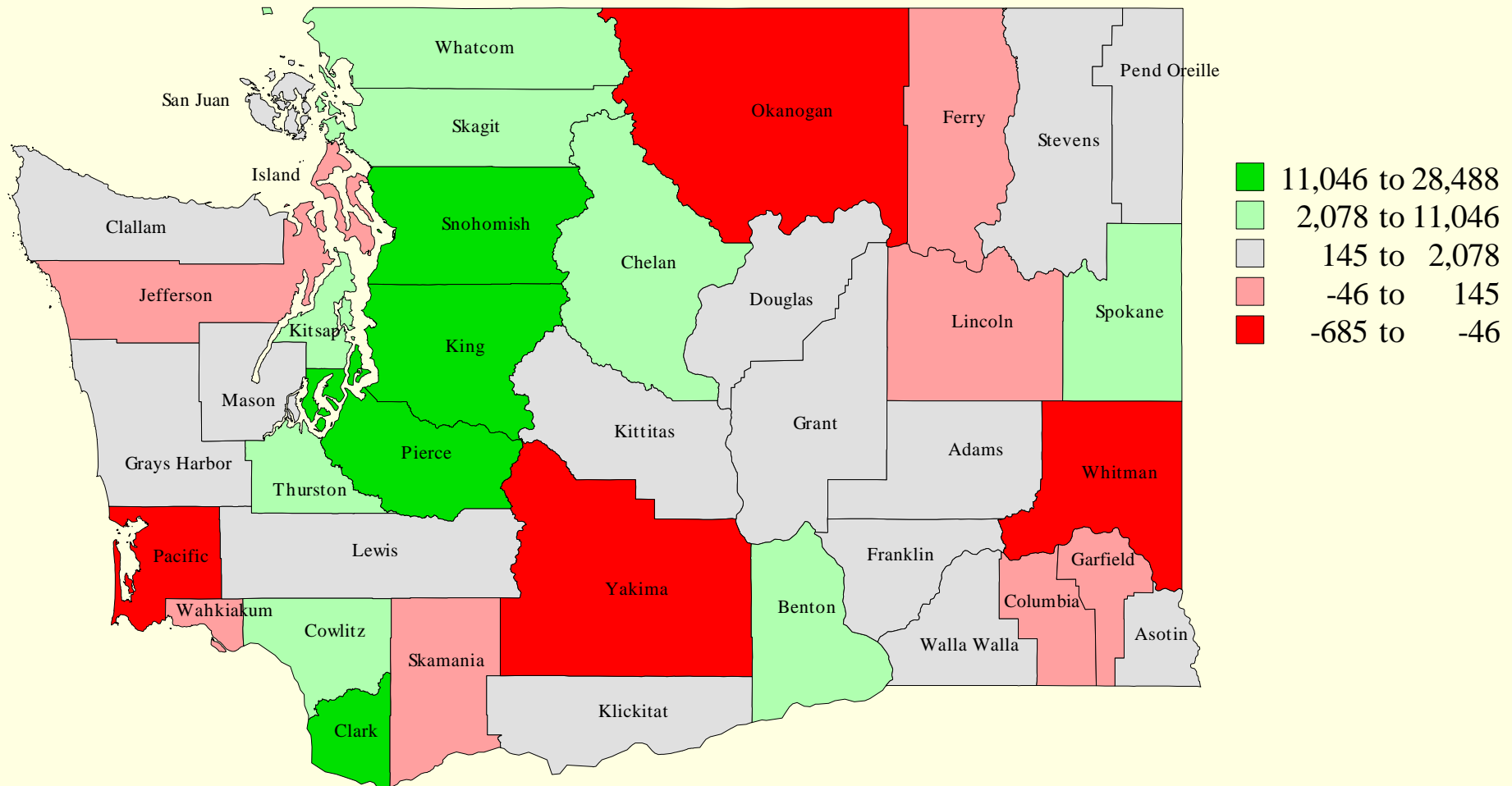
Source: US Census Bureau

Projected Number Change in Total Population, 2000-2010



Washington = 753,991
Data Source: Washington Office of Financial Management.

Projected Number Change in 15-24 Year Olds, 2000-2010



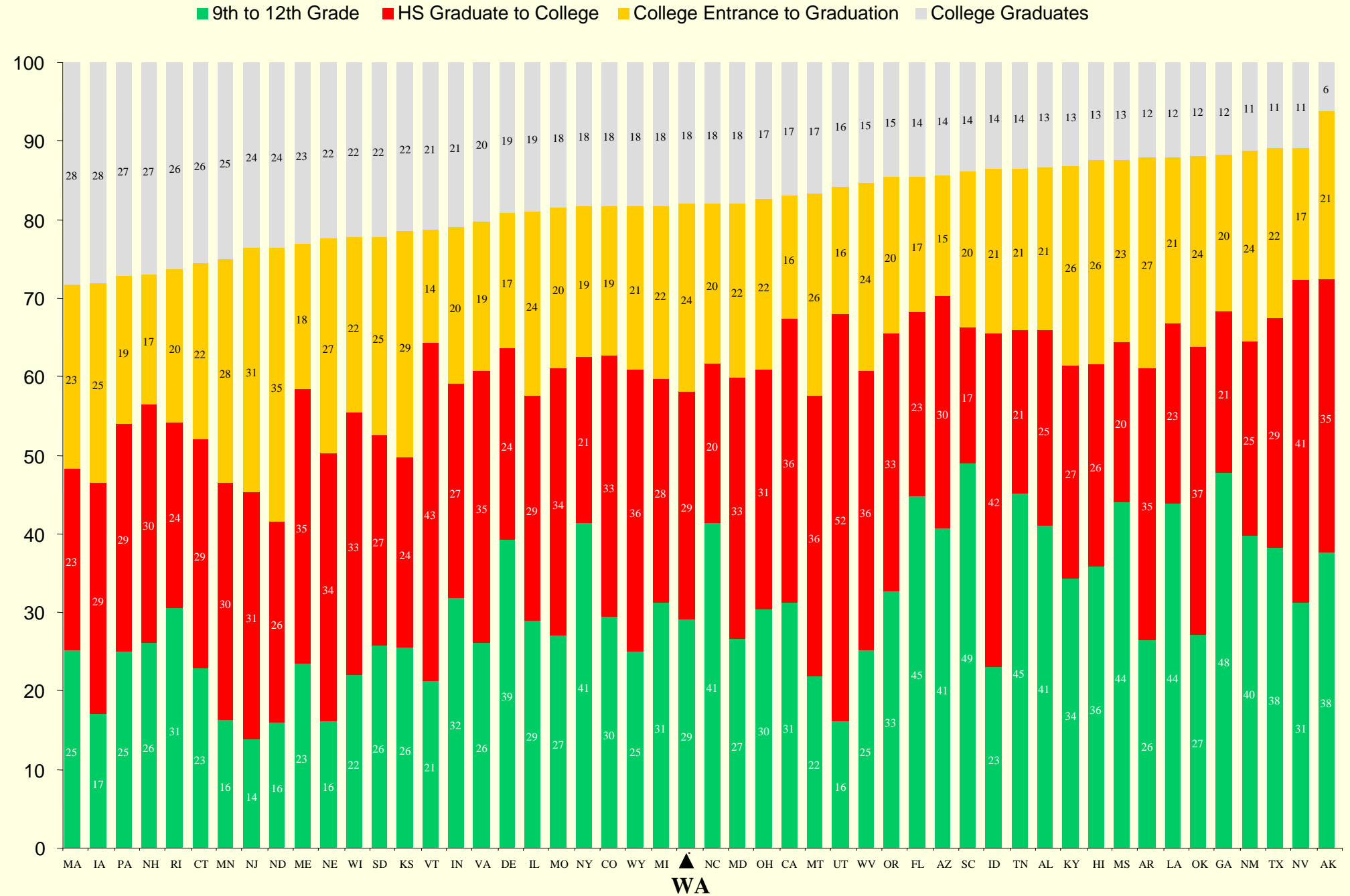
Washington = 113,509
Data Source: Washington Office of Financial Management

Washington Residents Entering the Workforce vs. Leaving

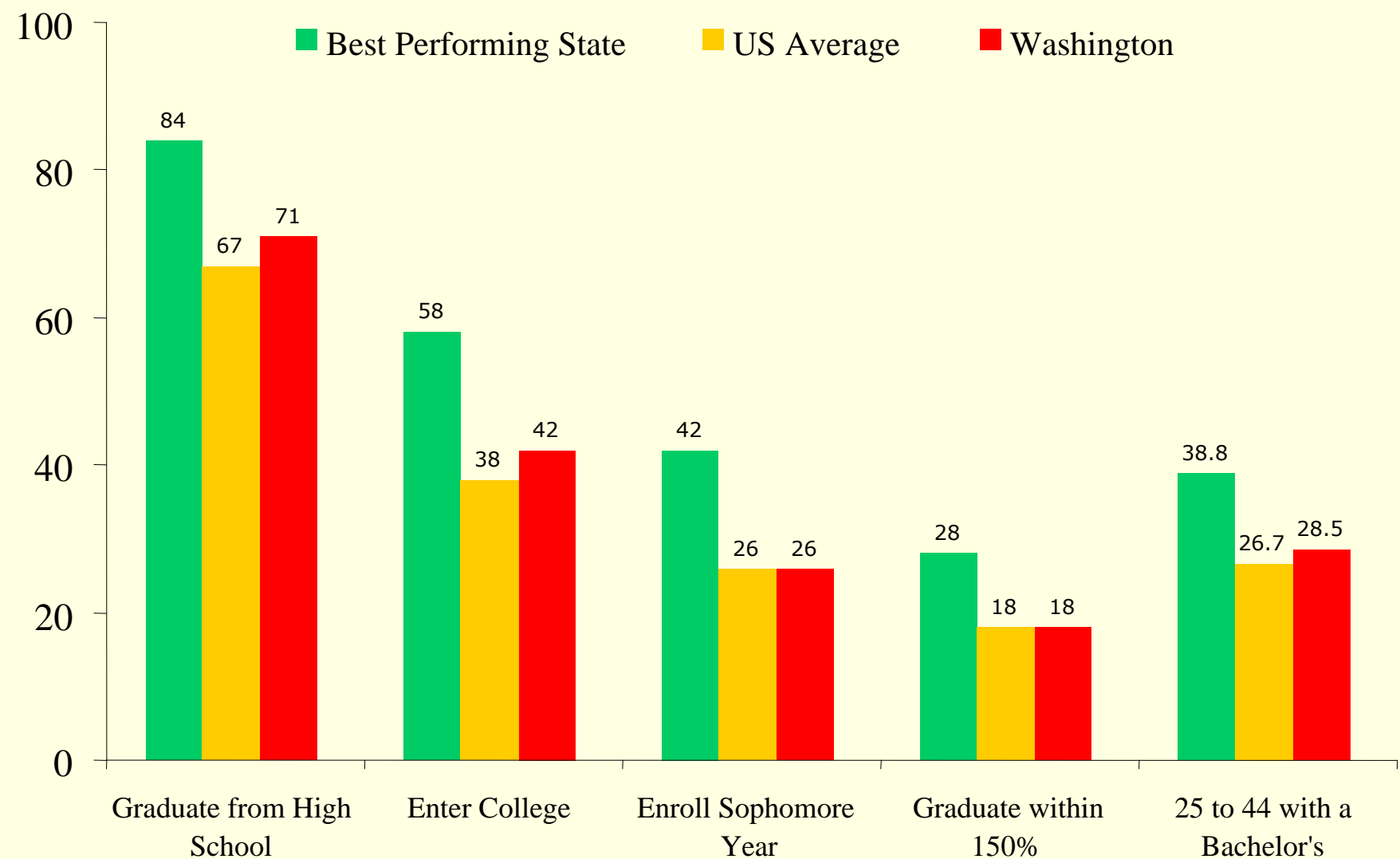


Source: US Census Bureau

Student Pipeline – Loss at Each Stage of Transition

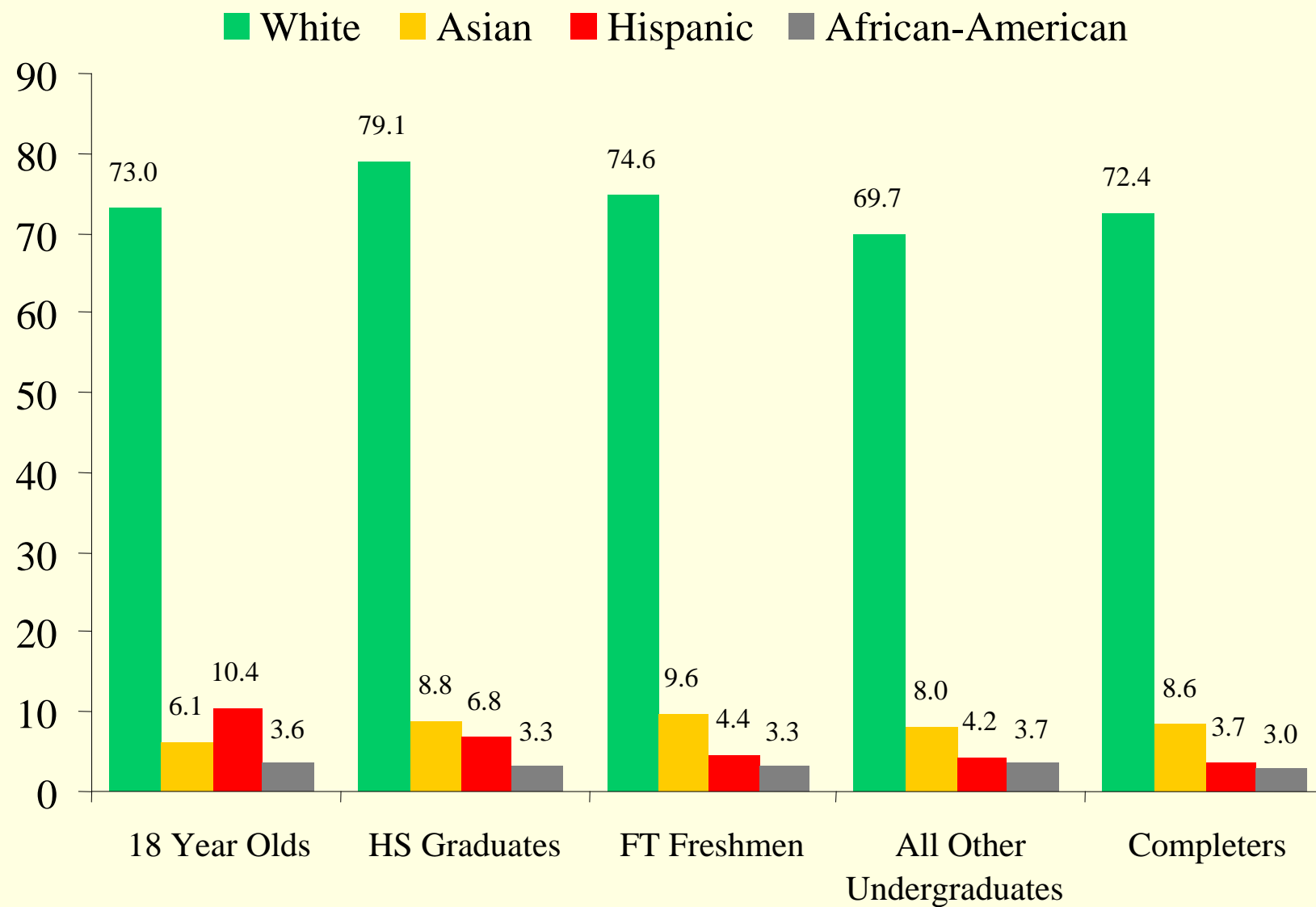


Student Pipeline: Of 100 9th Graders – the number who graduate from HS within four years, go directly to college, return their second year, and graduate within 150% of program time



Sources: Tom Mortenson, ACT, NCES-IPEDS Graduation Rate Survey, US Census Bureau

Ethnic Representation at Each Stage of Education (%) - 2000

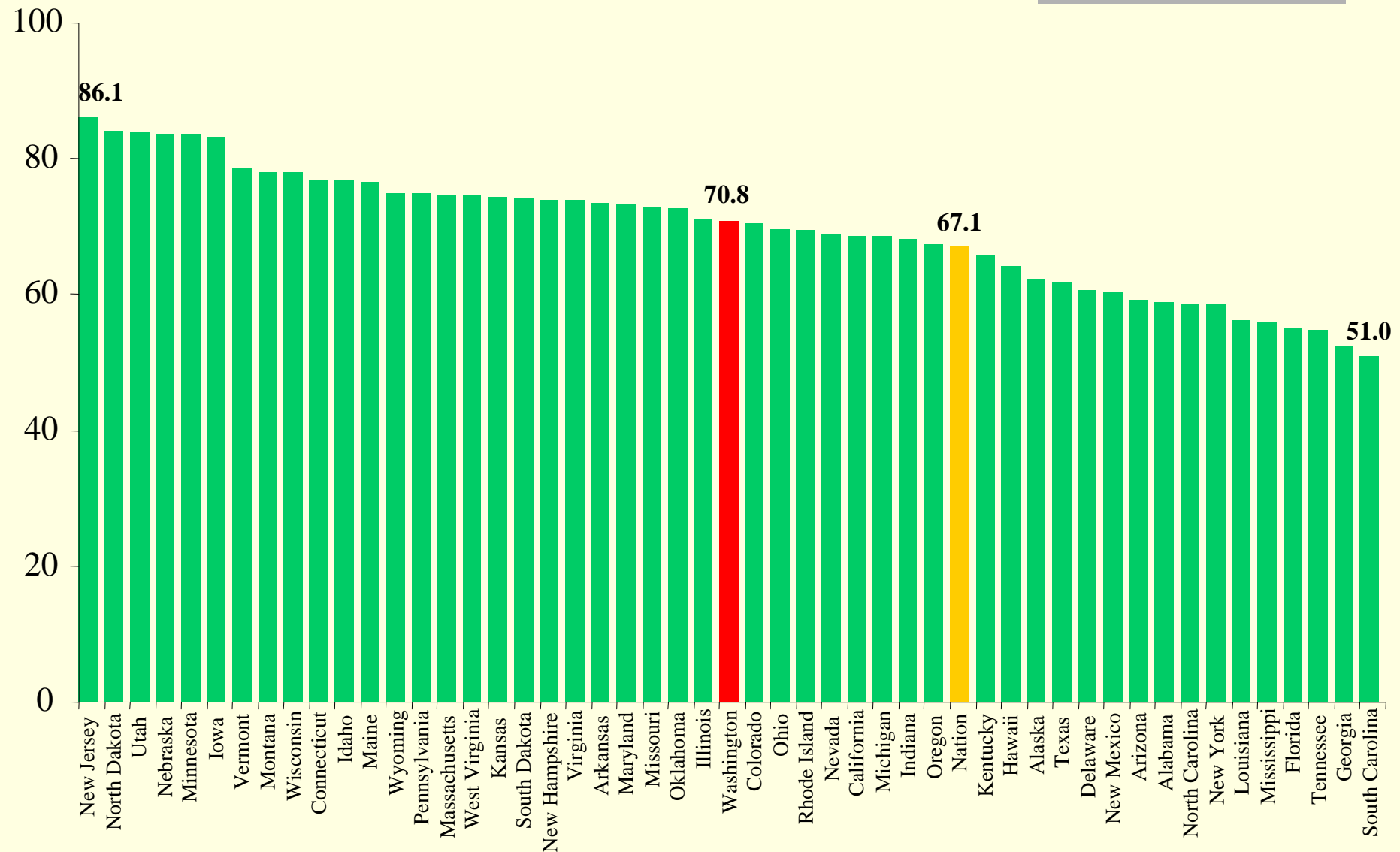


Sources: NCES-Common Core Data, NCES-IPEDS Fall Enrollment and Completions Surveys, US Census Bureau

Washington Planning Information

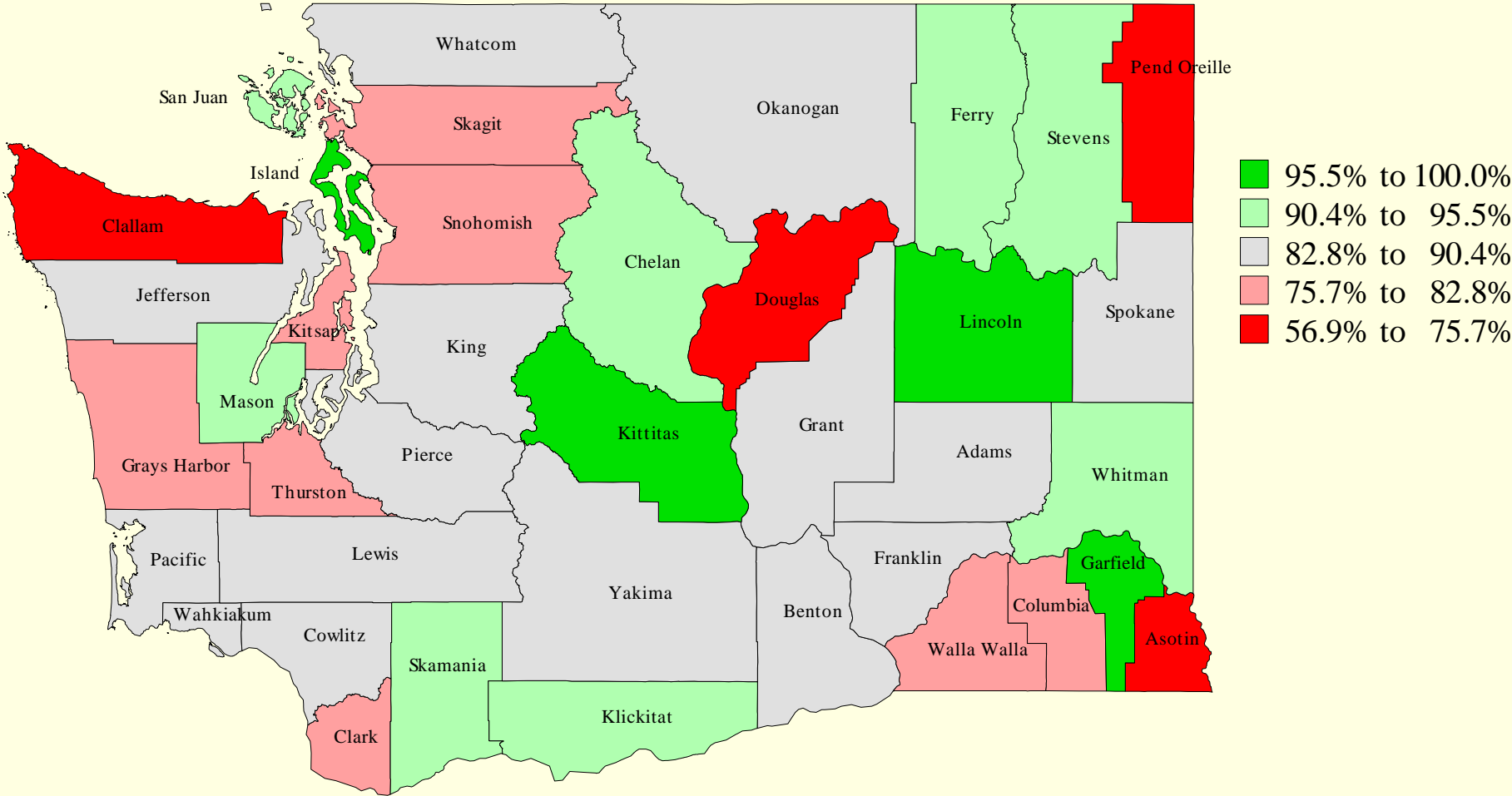
Preparation for College

High School Graduation – Public HS Graduates as a Percent of 9th Graders Four Years Earlier (%) - 2000



Source: Tom Mortenson, Postsecondary Opportunity

Percent of 12th Graders Graduating, 2001-2002

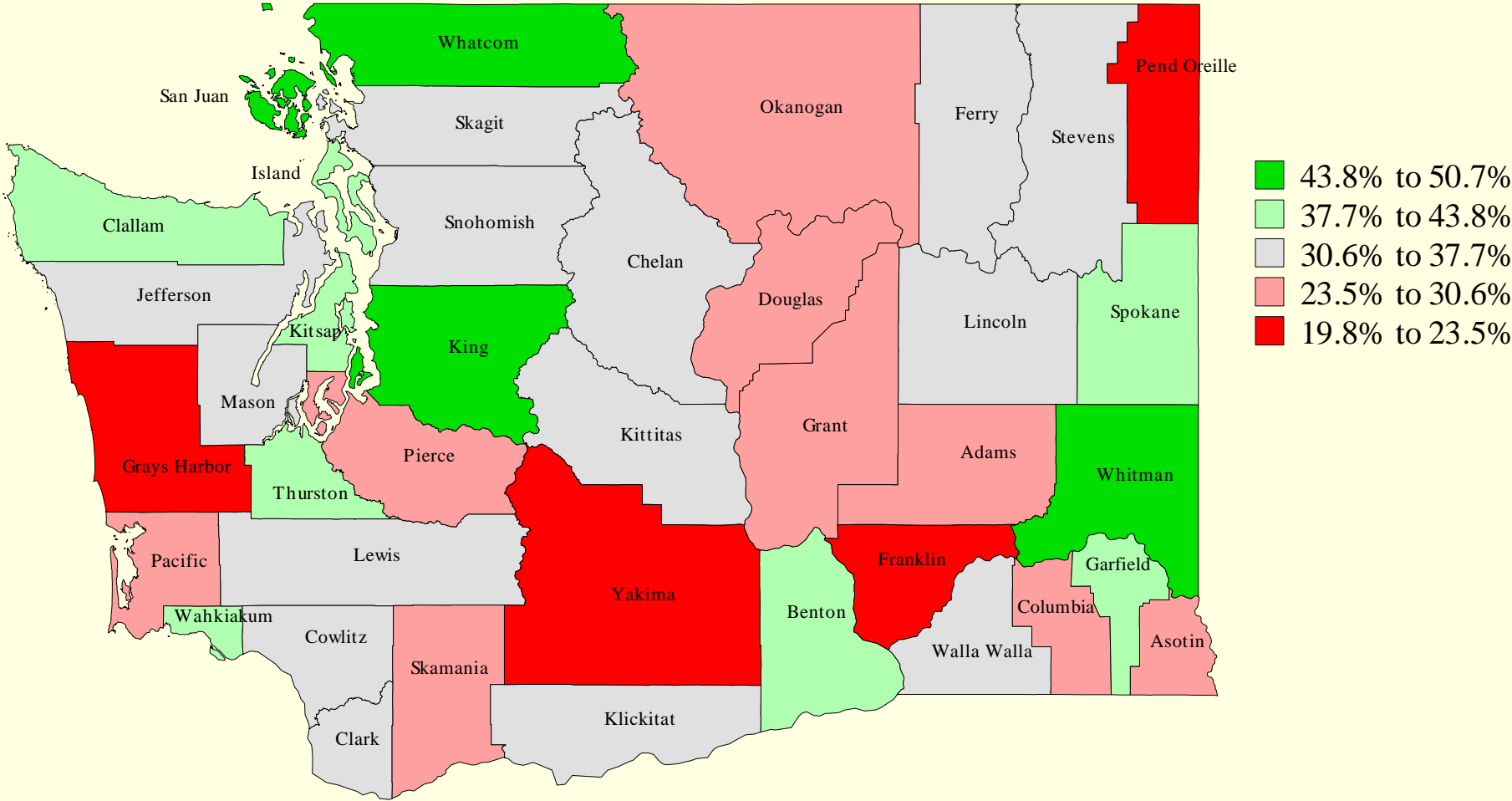


Washington = 83.2%
Data Source: Office of the Superintendent of Public Instruction.

Percent of 10th Graders Meeting the Standard on the
Washington Assessment of Student Learning (2000 to 2002)

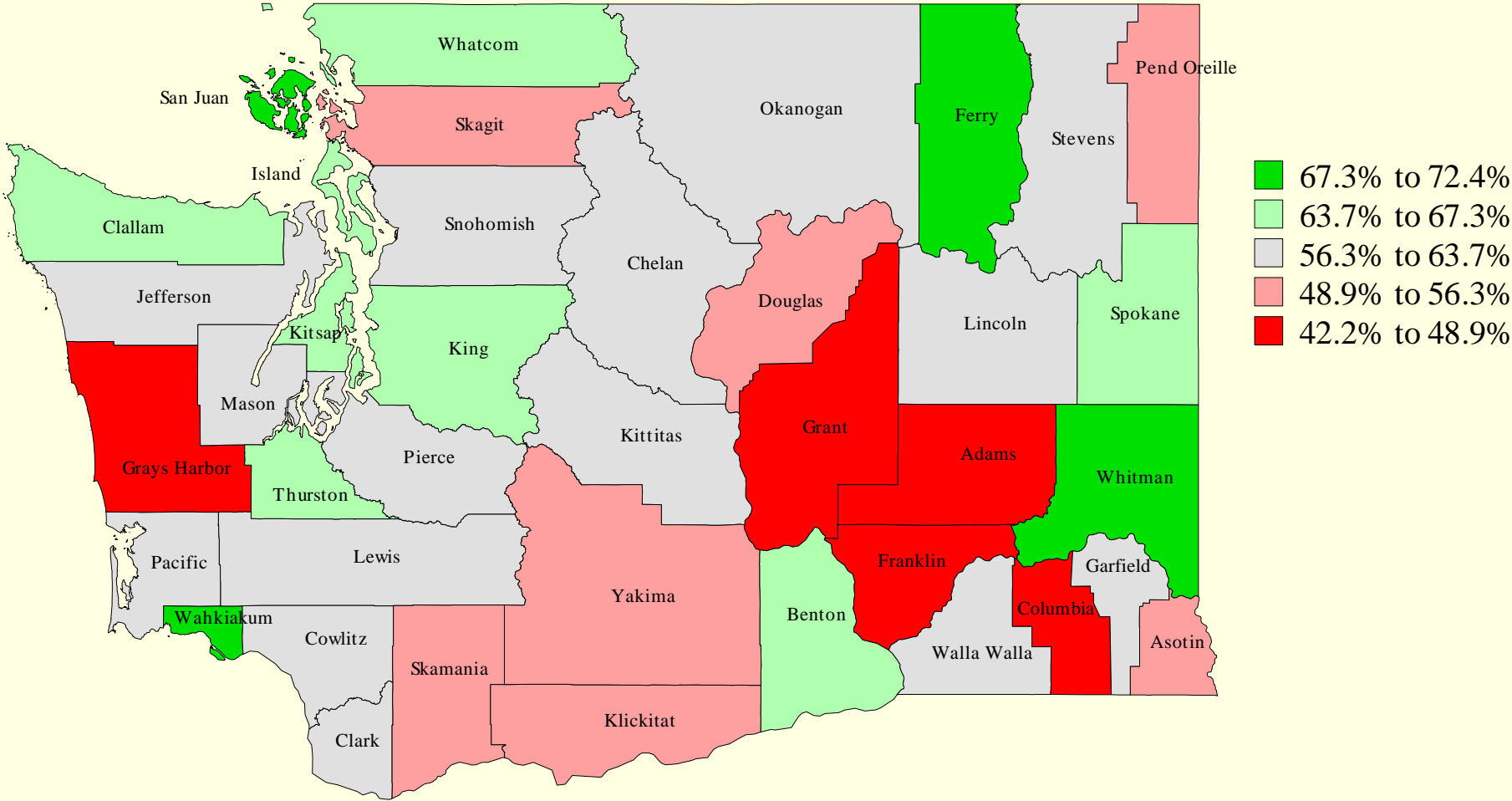
Subject	Pass Rate (%)
Math	37.4
Reading	60.9
Writing	44.9
Listening	81.6

Percent of 10th Graders Meeting the Standard on the Washington Assessment of Student Learning Math Exam, 2000-2002



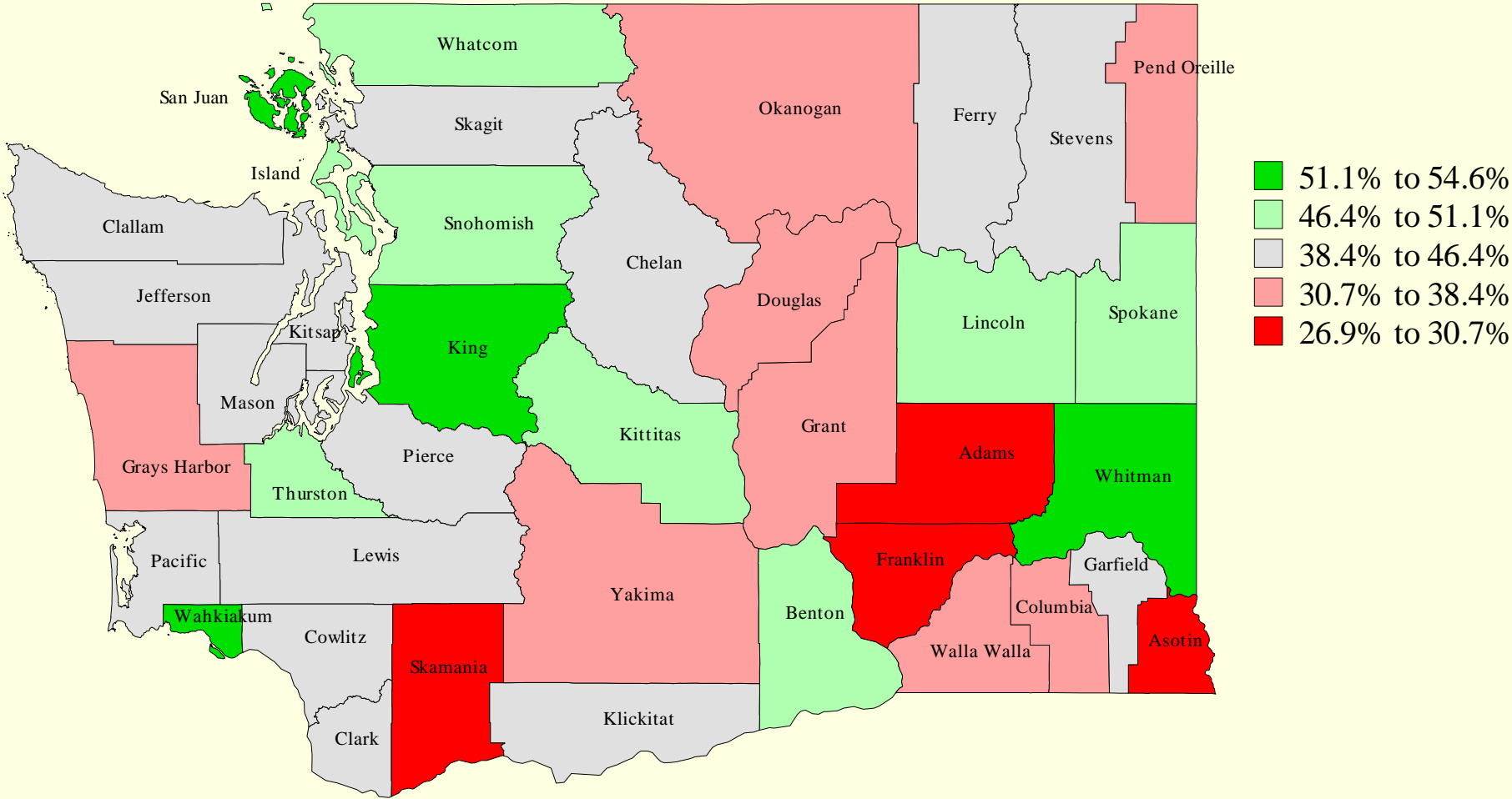
Washington = 37.4%
Data Source: Office of the Superintendent of Public Instruction

Percent of 10th Graders Meeting the Standard on the Washington Assessment of Student Learning Reading Exam, 2000-2002



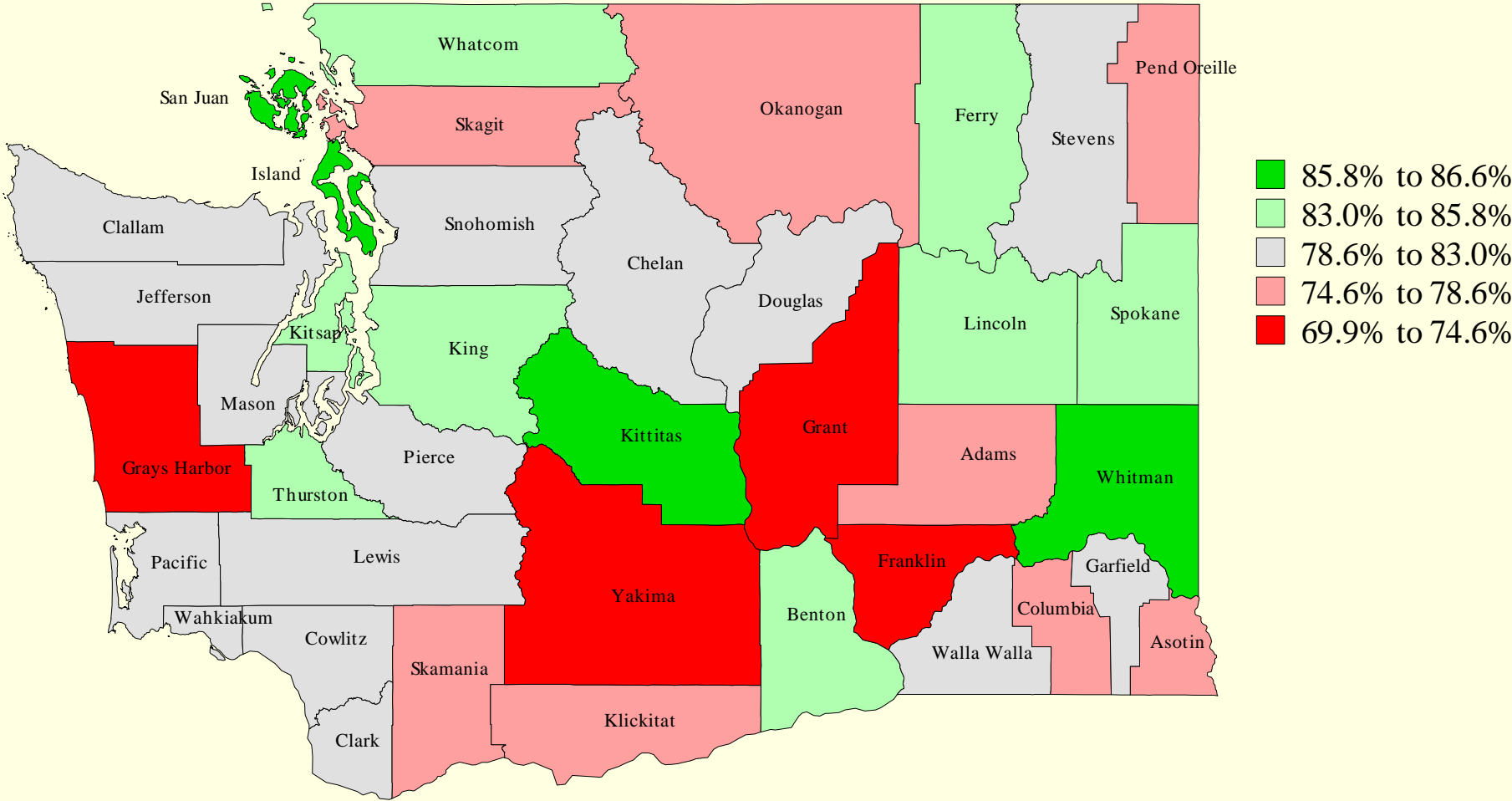
Washington = 60.9%
Data Source: Office of the Superintendent of Public Instruction

Percent of 10th Graders Meeting the Standard on the Washington Assessment of Student Learning Writing Exam, 2000-2002



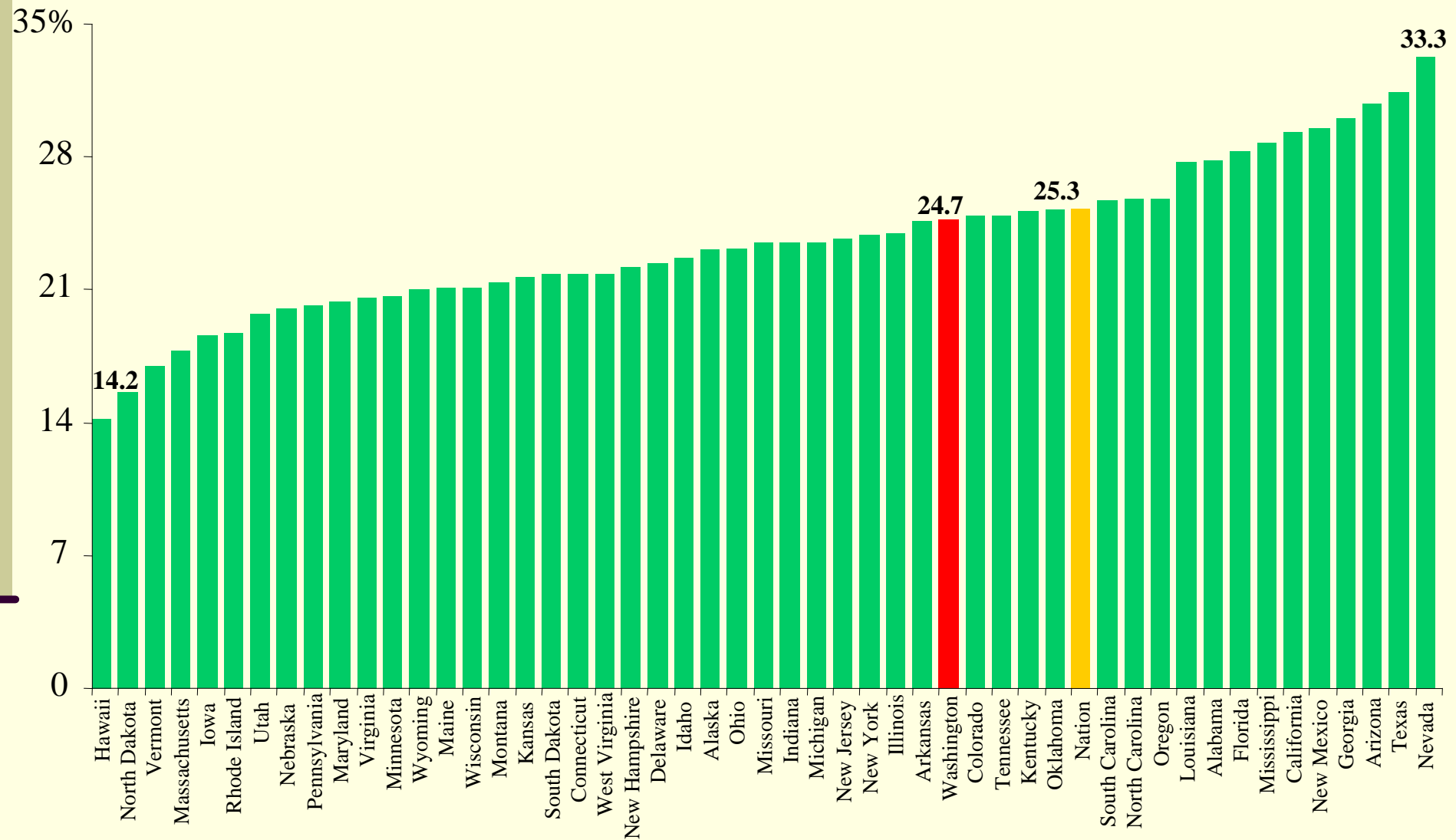
Washington = 44.9%
Data Source: Office of the Superintendent of Public Instruction

Percent of 10th Graders Meeting the Standard on the Washington Assessment of Student Learning Listening Exam, 2000-2002



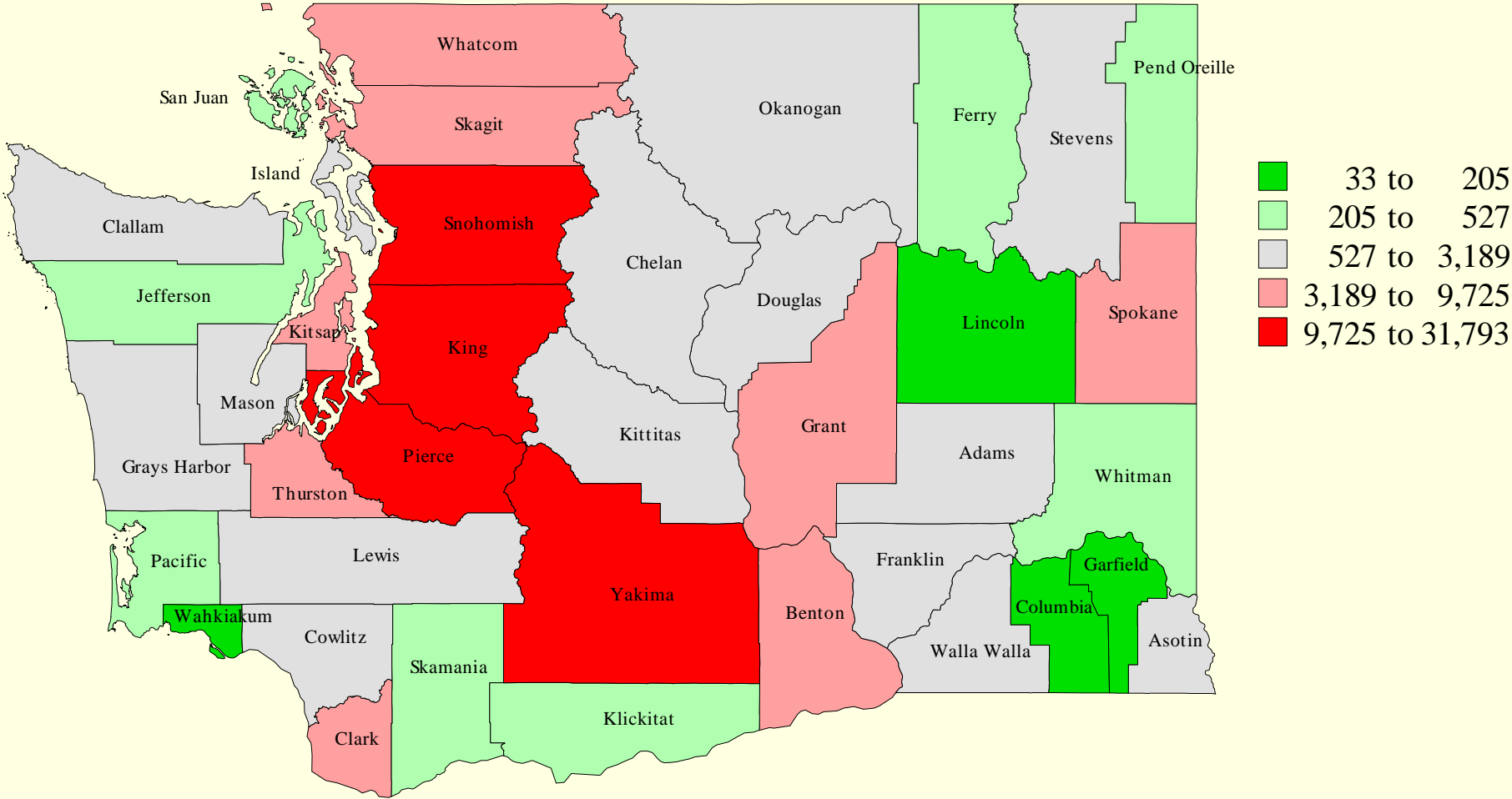
Washington = 81.6%
Data Source: Office of the Superintendent of Public Instruction

Percent of 18 to 24 Year Olds with No High School Diploma (%)



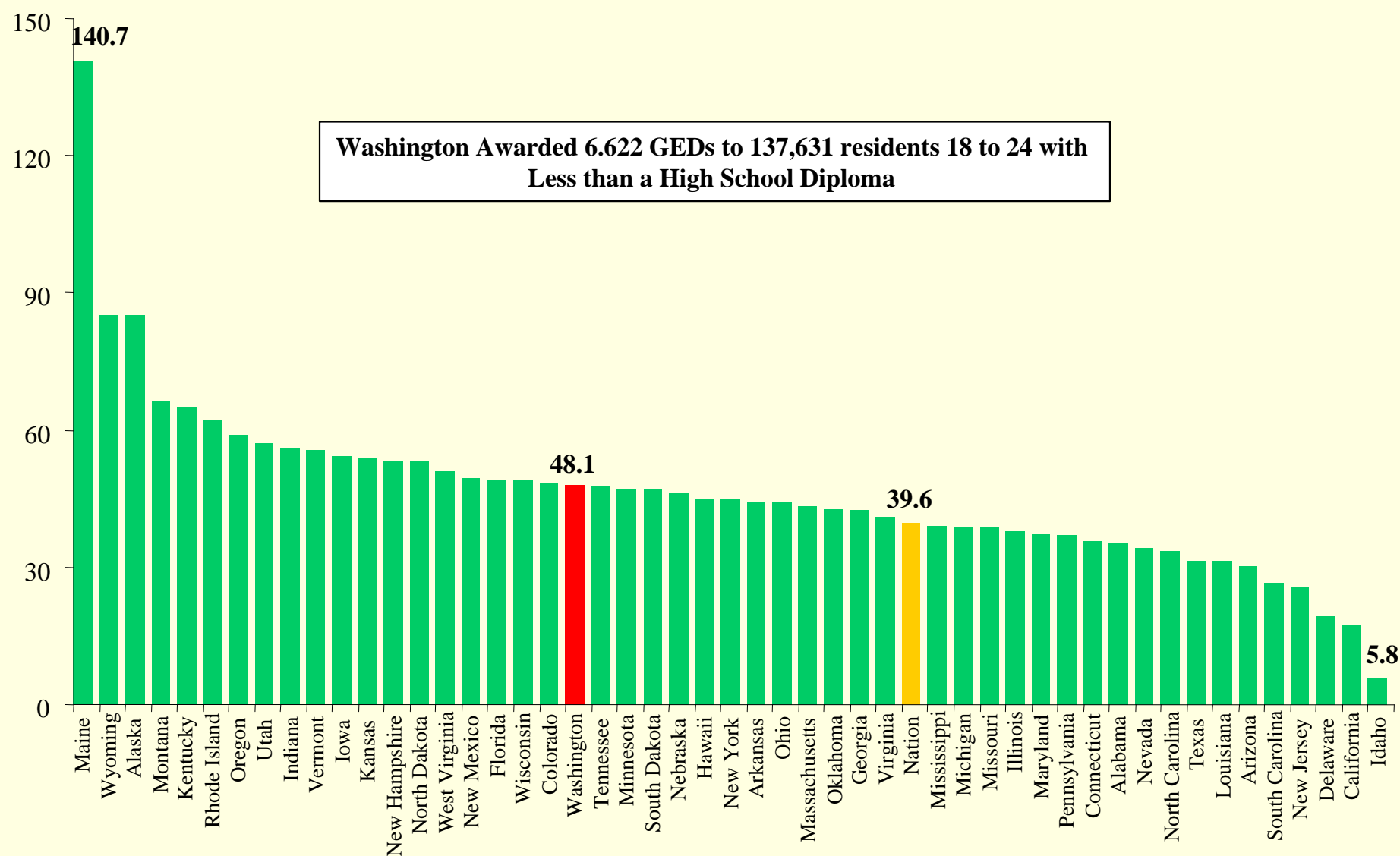
Source: US Census Bureau, 2000

Number of 18-24 Year Olds With No High School Diploma, 2000



Washington = 137,631
Data Source: US Census Bureau, 2000 Census

GEDs Awarded to 18-24 Year Olds Per 1,000 18-24 Year Olds with Less than a HS Diploma - 2000

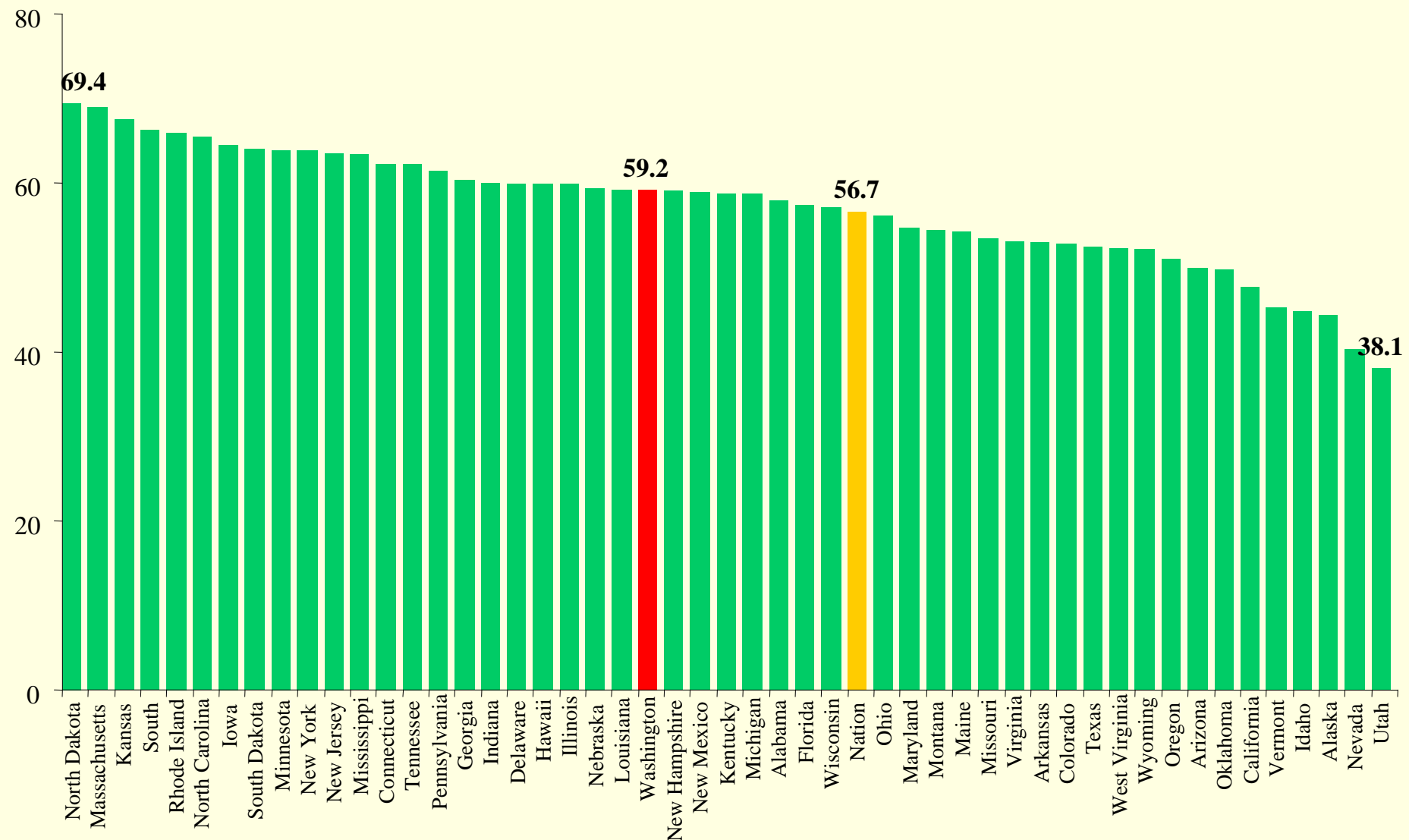


Source: GED Testing Service, US Census Bureau

Washington Planning Information

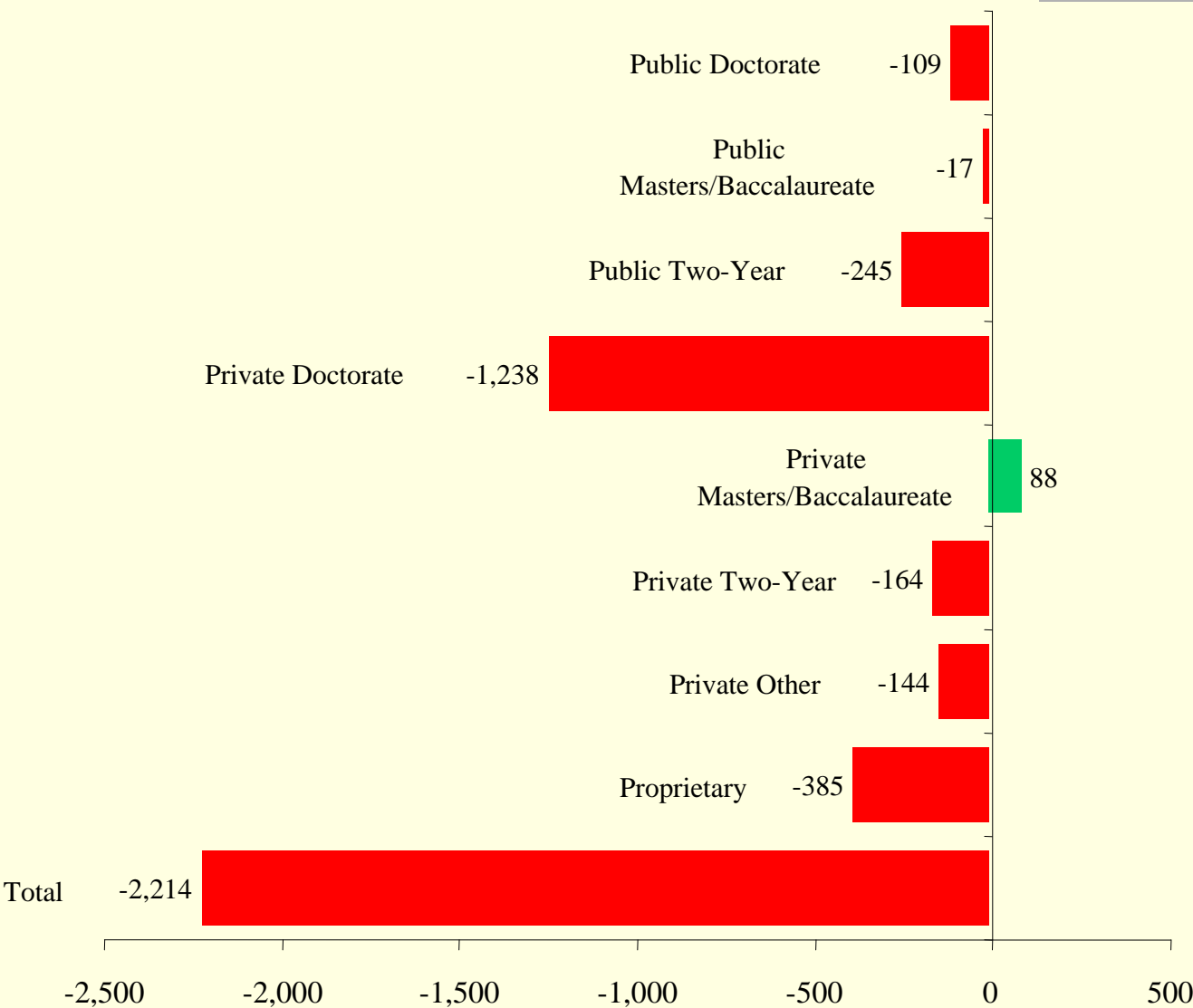
College Participation

College Going Rates – First-Time Freshmen Directly Out of HS as a Percent of Recent HS Graduates (%) - 2000



Source: Tom Mortenson, Postsecondary Opportunity (Washington Data Adjusted – August 5, 2003)

Net In-Migration by Type of Institution - 2000



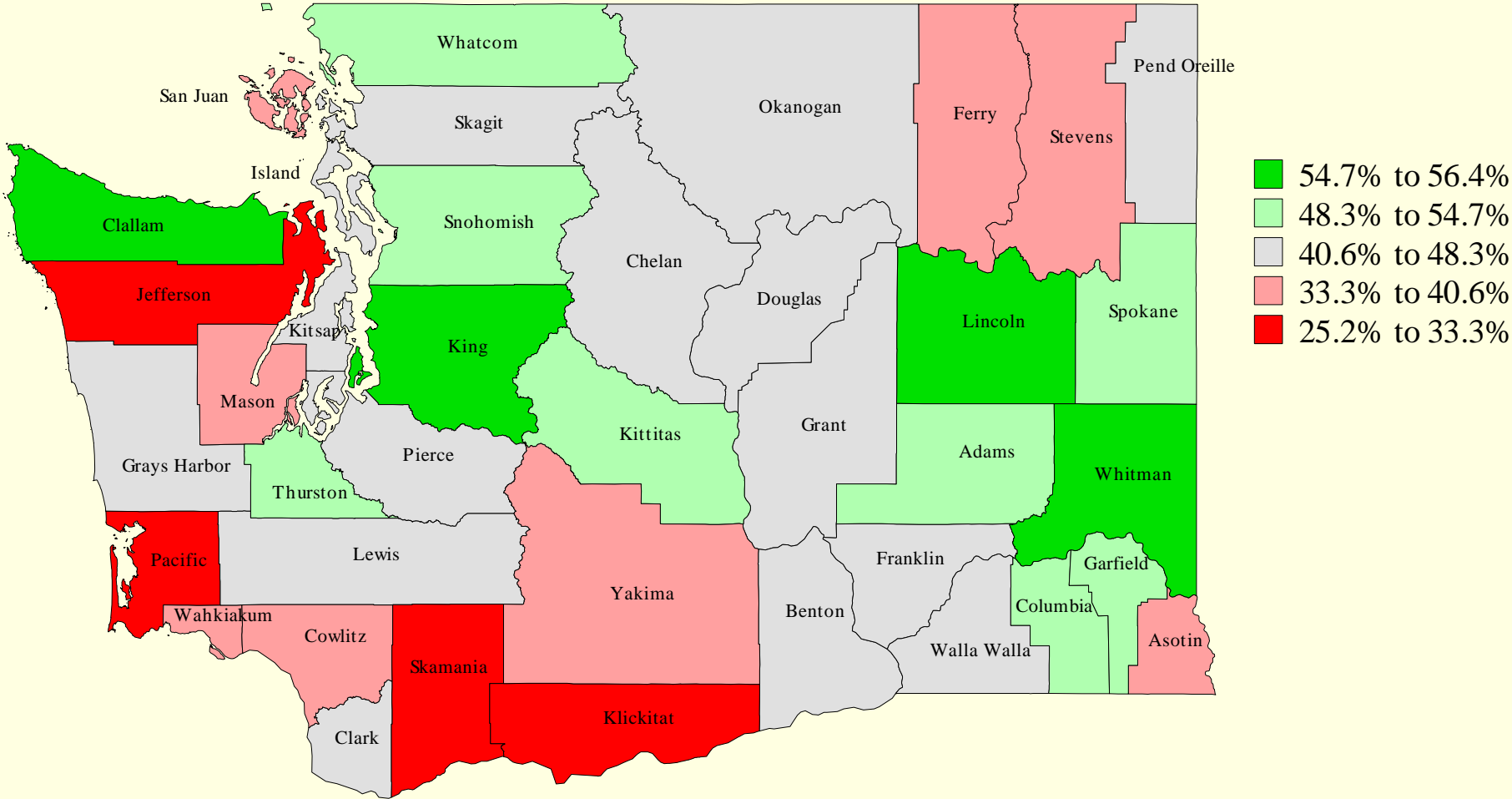
Source: NCES-IPEDS
Residency and Migration
Survey, 2000

Out-of-State Institutions in Which 40 or More Washington Residents Enrolled as First-Time Freshmen - 2000

<u>INSTITUTION</u>	<u>STATE</u>	<u>SECTOR</u>	<u>FT FRESHMEN</u>
BRIGHAM YOUNG UNIVERSITY	UT	Private 4-year NP	281
UNIVERSITY OF PORTLAND	OR	Private 4-year NP	165
MT HOOD COMMUNITY COLLEGE	OR	Public 2-year	160
UNIVERSAL TECHNICAL INSTITUTE INC	AZ	Private 4-year FP	159
UNIVERSITY OF IDAHO	ID	Public 4-year	156
ARIZONA STATE UNIVERSITY-MAIN CAMPUS	AZ	Public 4-year	147
SANTA CLARA UNIVERSITY	CA	Private 4-year NP	137
DEVRY INSTITUTE OF TECHNOLOGY	AZ	Private 4-year FP	130
RICKS COLLEGE	ID	Private 4-year NP	115
UNIVERSITY OF ARIZONA	AZ	Public 4-year	107
WILLAMETTE UNIVERSITY	OR	Private 4-year NP	106
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private 4-year NP	92
UNIVERSITY OF OREGON	OR	Public 4-year	89
LINFIELD COLLEGE	OR	Private 4-year NP	87
MONTANA STATE UNIVERSITY-BOZEMAN	MT	Public 4-year	85
THE UNIVERSITY OF MONTANA-MISSOULA	MT	Public 4-year	82
GEORGE FOX UNIVERSITY	OR	Private 4-year NP	74
LOYOLA MARYMOUNT UNIVERSITY	CA	Private 4-year NP	66
UNIVERSITY OF SAN DIEGO	CA	Private 4-year NP	65
WESTWOOD COLLEGE OF AVIATION TECHNOLOGY-DENVER	CO	Private 4-year FP	64
HEALD COLLEGE-PORTLAND	OR	Private 4-year NP	64
OREGON STATE UNIVERSITY	OR	Public 4-year	60
CONCORDIA UNIVERSITY	OR	Private 4-year NP	59
STANFORD UNIVERSITY	CA	Private 4-year NP	58
WYOMING TECHNICAL INSTITUTE	WY	Private 4-year FP	57
PEPPERDINE UNIVERSITY	CA	Private 4-year NP	51
UNIVERSITY OF COLORADO AT BOULDER	CO	Public 4-year	50
EMBRY RIDDLE AERONAUTICAL UNIVERSITY	FL	Private 4-year NP	48
HIGH-TECH INSTITUTE	AZ	Private 4-year FP	47
CALIFORNIA POLYTECHNIC STATE UNIV-SAN LUIS OBISPO	CA	Public 4-year	47
CLACKAMAS COMMUNITY COLLEGE	OR	Public 2-year	47
EASTERN OREGON UNIVERSITY	OR	Public 4-year	46
AZUSA PACIFIC UNIVERSITY	CA	Private 4-year NP	45
PORTLAND STATE UNIVERSITY	OR	Public 4-year	45
LEWIS-CLARK STATE COLLEGE	ID	Public 4-year	44
NEW YORK UNIVERSITY	NY	Private 4-year NP	44
UTAH VALLEY STATE COLLEGE	UT	Public 4-year	43
ITT TECHNICAL INSTITUTE	OR	Private 4-year FP	42
WESTERN BAPTIST COLLEGE	OR	Private 4-year NP	42
UNITED STATES AIR FORCE ACADEMY	CO	Public 4-year	41
LEWIS AND CLARK COLLEGE	OR	Private 4-year NP	41
REED COLLEGE	OR	Private 4-year NP	41
CHAPMAN UNIVERSITY	CA	Private 4-year NP	40

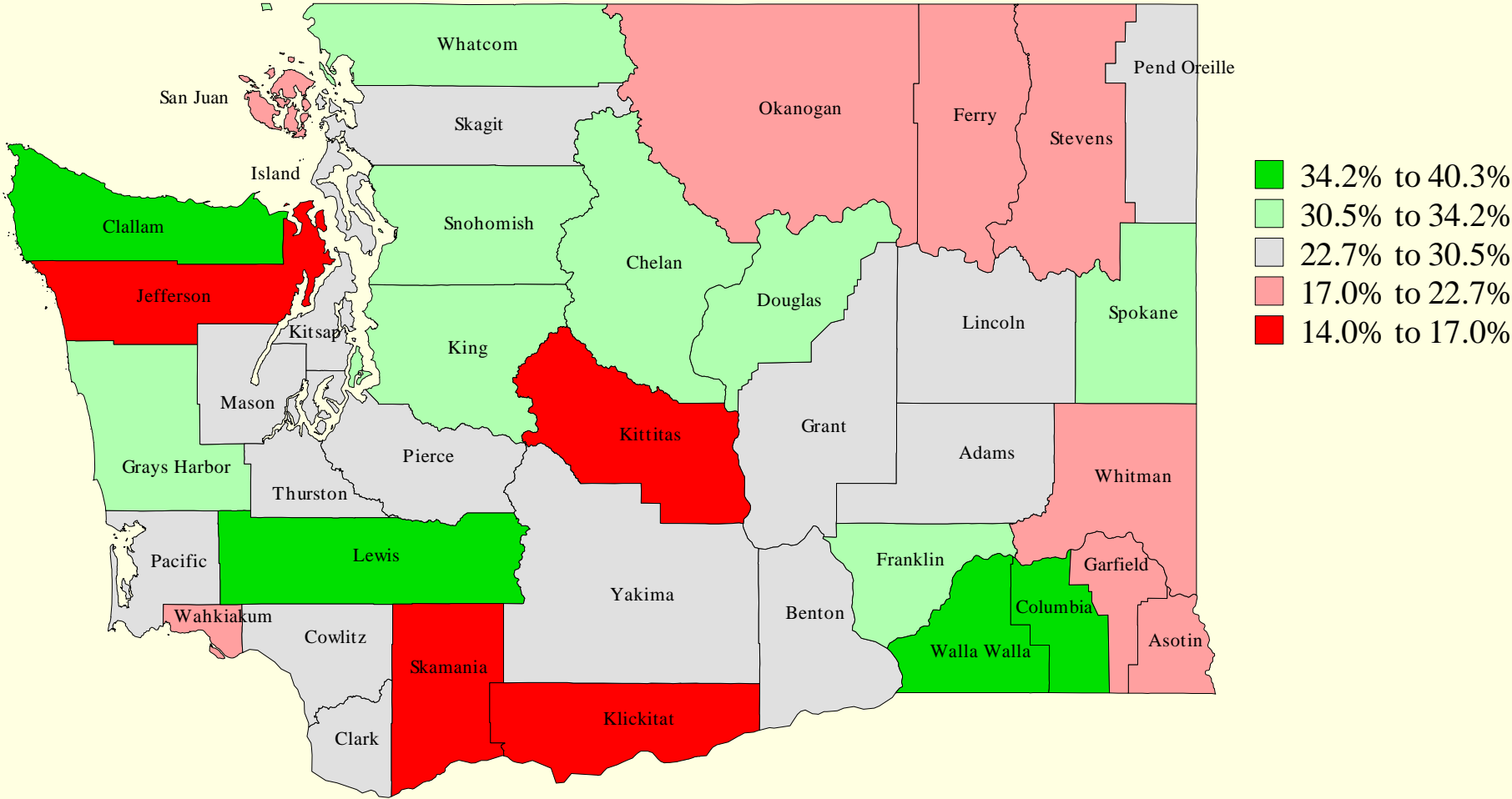
Source: NCES-IPEDS
Residency and Migration
Survey, 2000

First Time Freshmen Attending Public Institutions as a Percent of High School Graduates, 2002



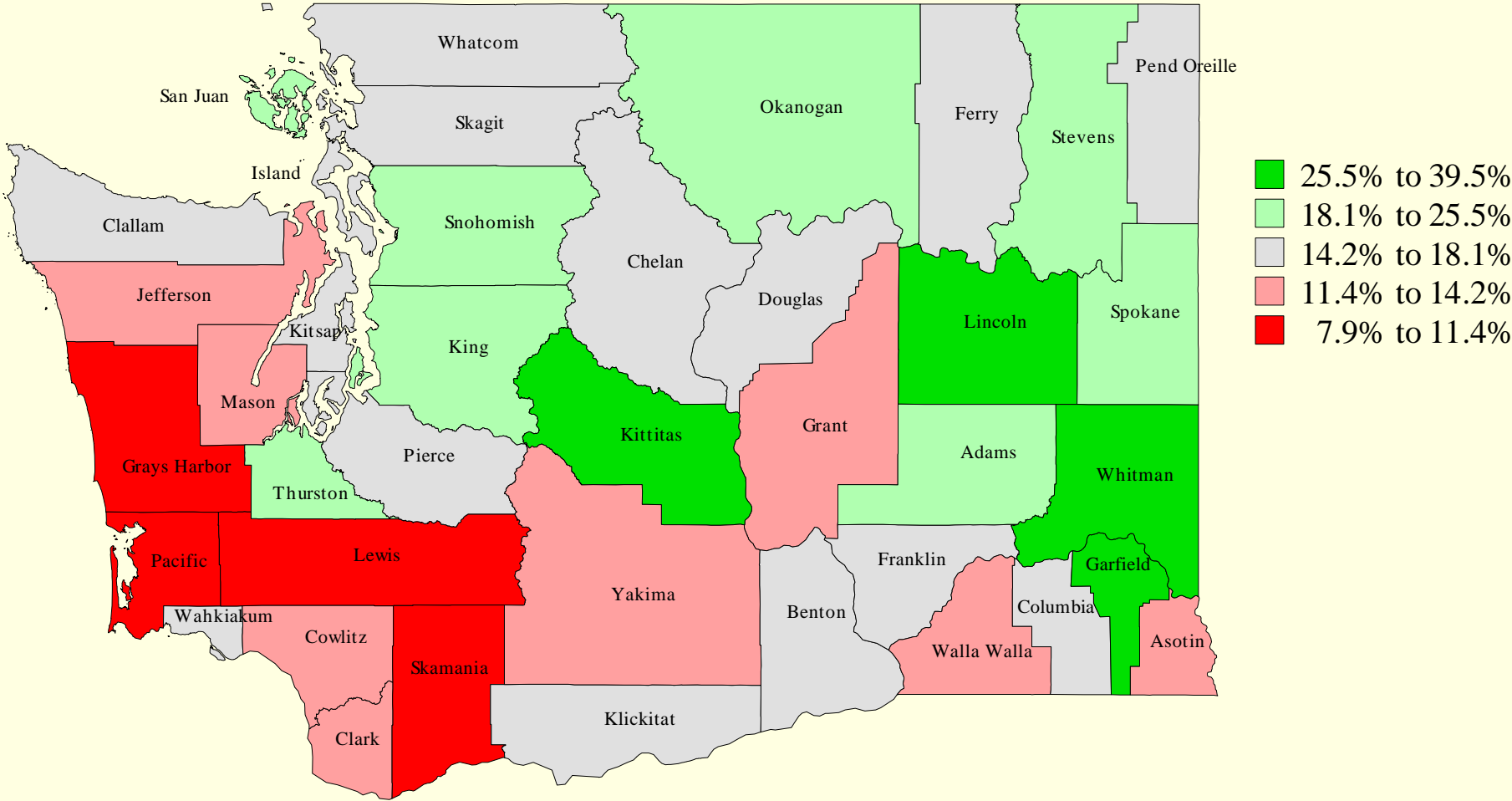
Washington = 49.2%
Data Source: Washington State Board of Community & Technical Colleges.
Washington Higher Education Coordinating Board. Office of the Superintendent
of Public Instruction.

First Time Freshmen Attending Public 2-Year Institutions as a Percent of High School Graduates, 2002



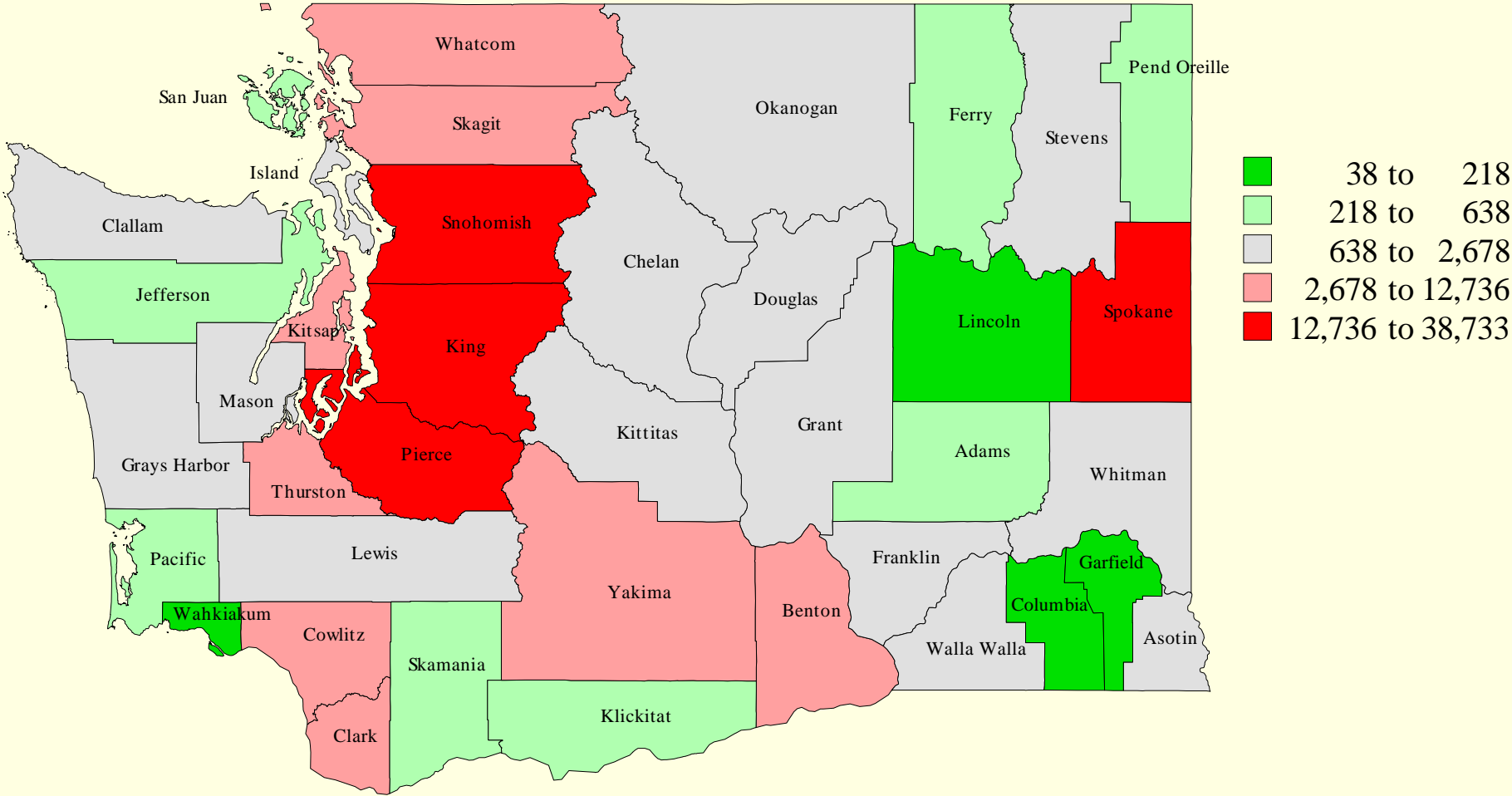
Washington = 30.0%
Data Source: Washington State Board of Community & Technical Colleges.
Office of the Superintendent of Public Instruction.

First Time Freshmen Attending Public 4-Year Institutions as a Percent of High School Graduates, 2002



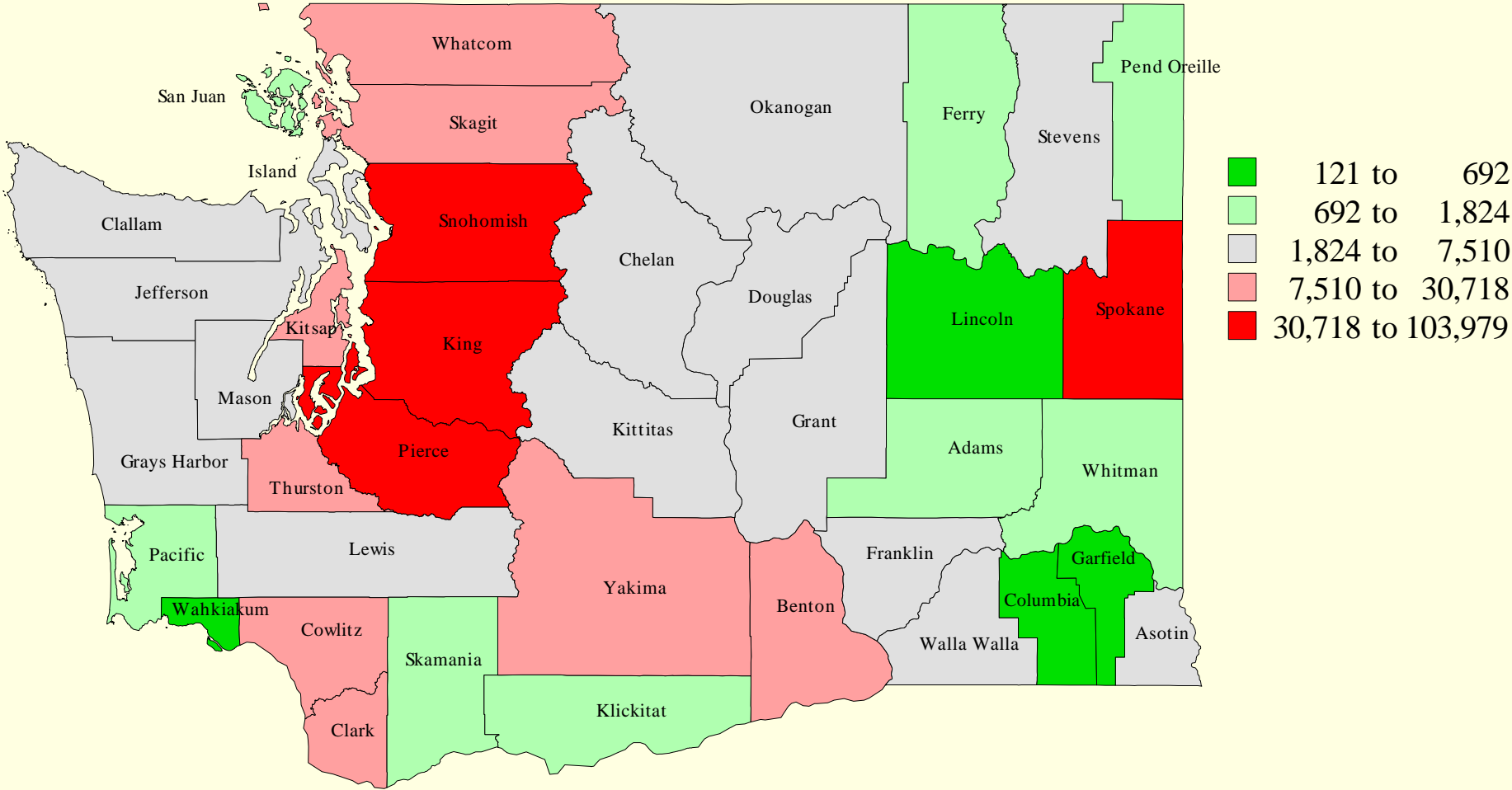
Washington = 19.2%
Data Source: Washington Higher Education Coordinating Board.
Office of the Superintendent of Public Instruction.

Number of 18-24 Year Olds With a High School Diploma but No College, 2000



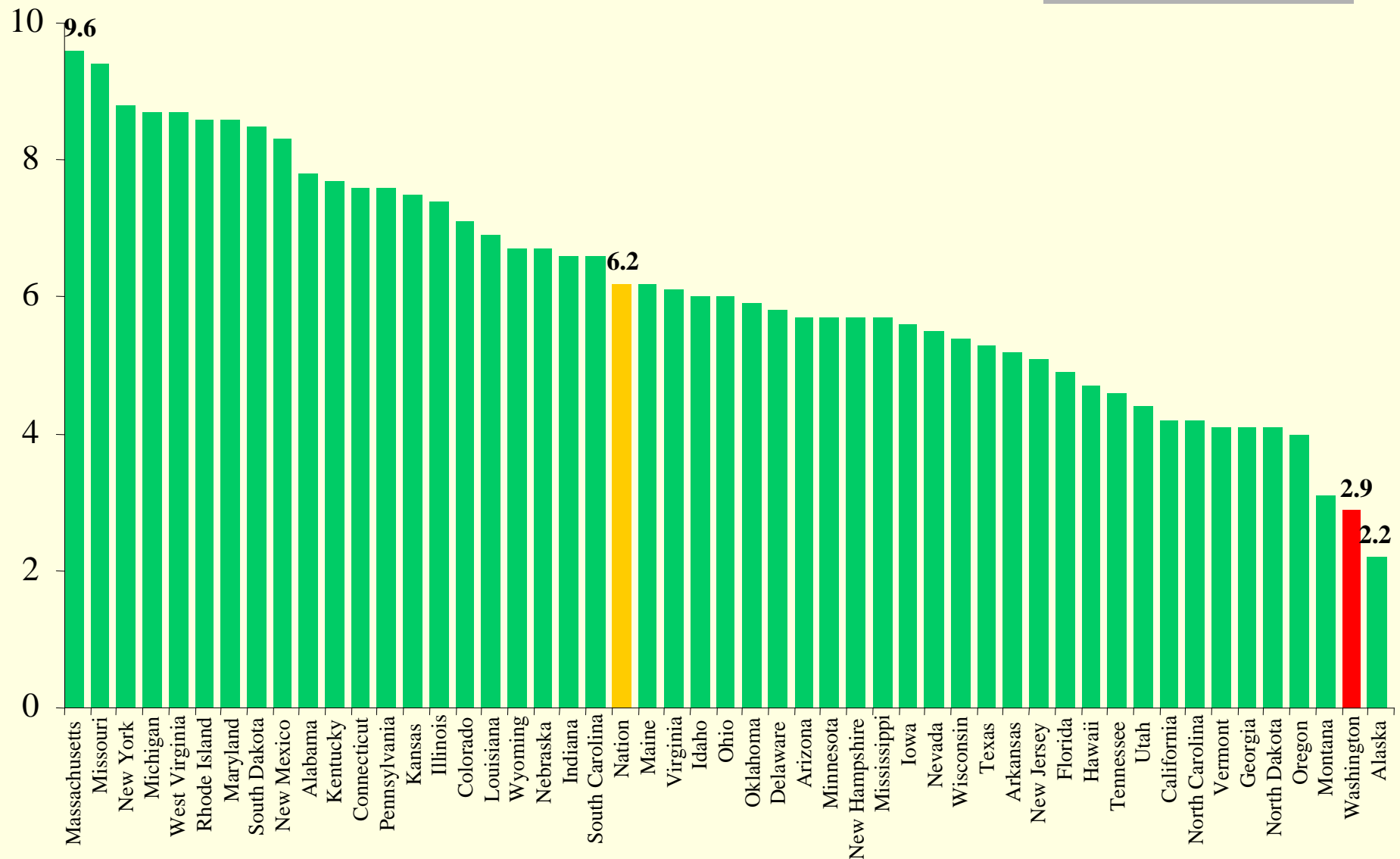
Washington = 160,423
Data Source: US Census Bureau, 2000 Census

Number of 25-44 Year Olds With a High School Diploma but No College, 2000



Washington = 436,811
Data Source: US Census Bureau, 2000 Census

Part-Time Graduate and Professional Enrollment as a Percent of the Population Ages 25 to 64 with a Bachelor's Degree (%) - 2000

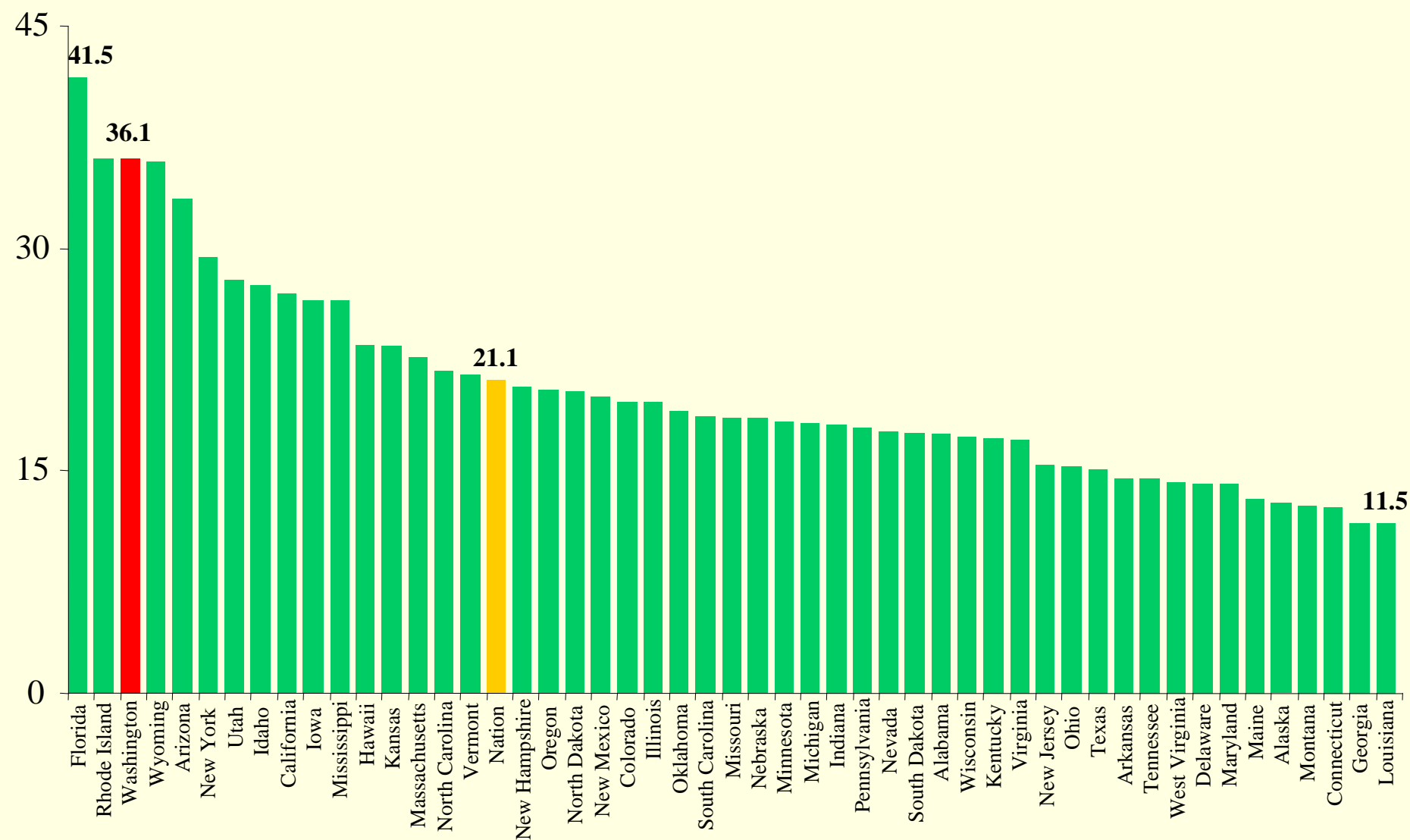


Source: NCES-IPEDS, US Census Bureau

Washington Planning Information

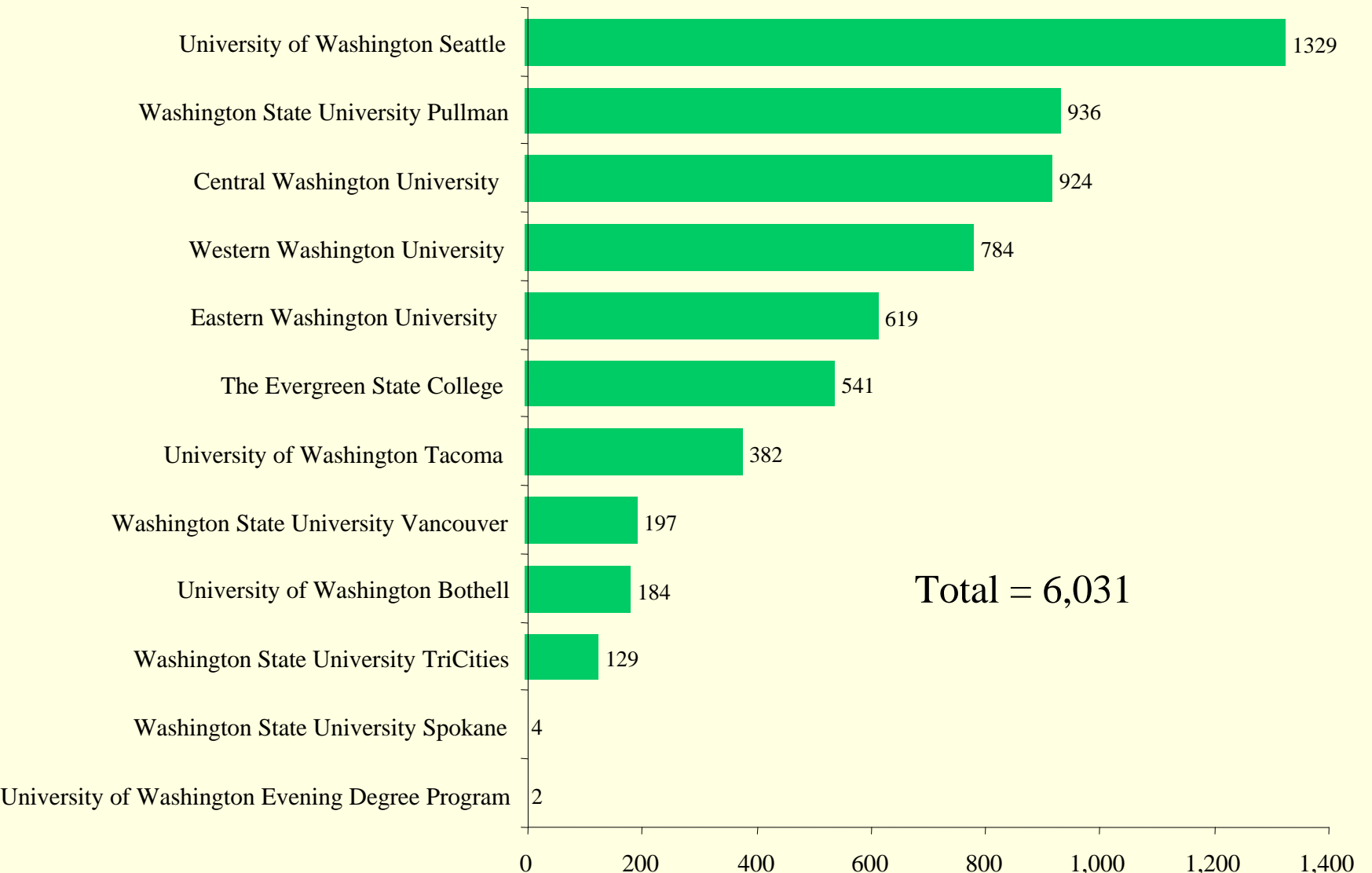
College Completion

Associate Degrees Awarded Per 100 High School Graduates Three Years Earlier - 2002



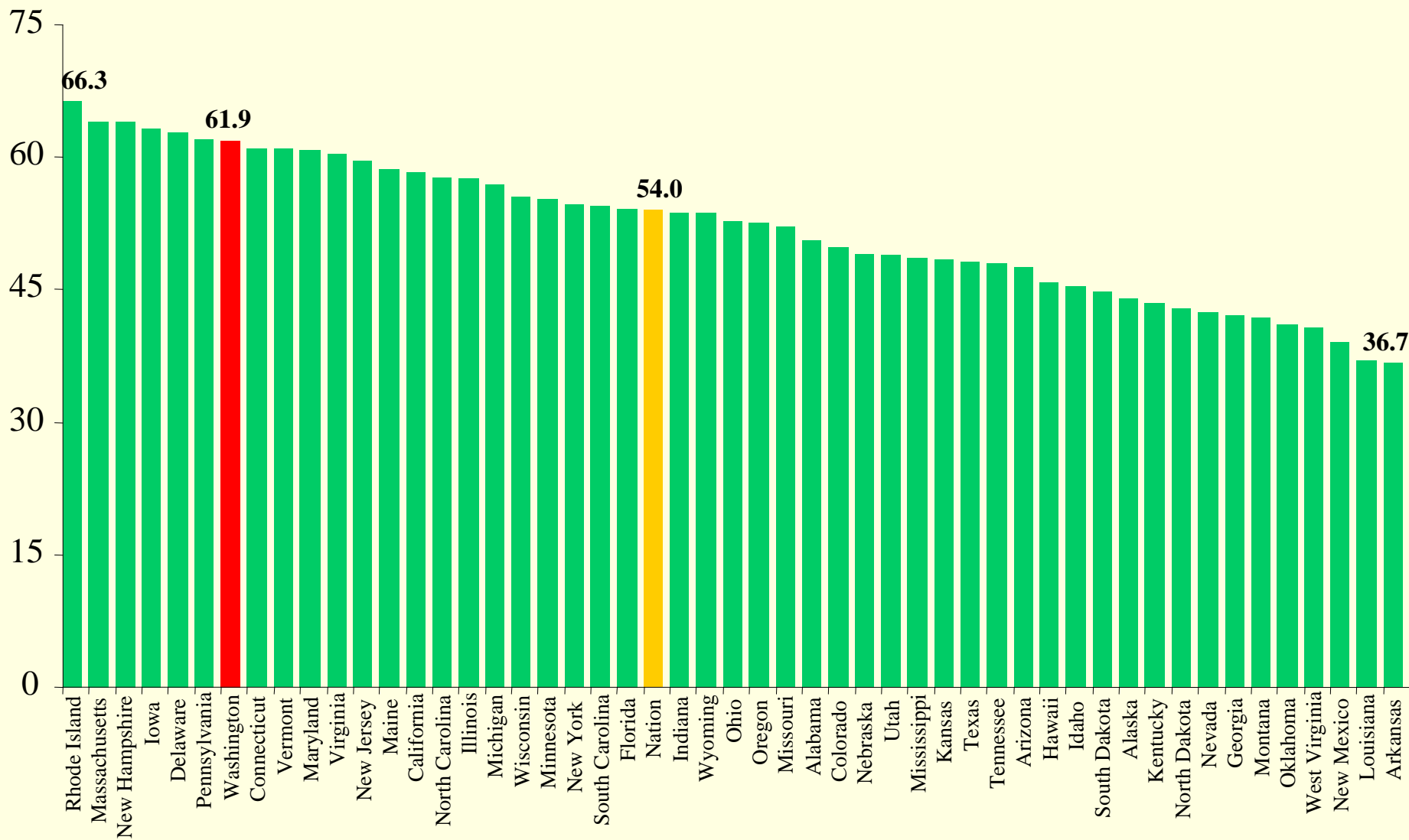
Source: NCES-IPEDS Completions Survey, WICHE

Number of Transfers from Public Two-Year Colleges to Public Four-Year Colleges – Fall 2002



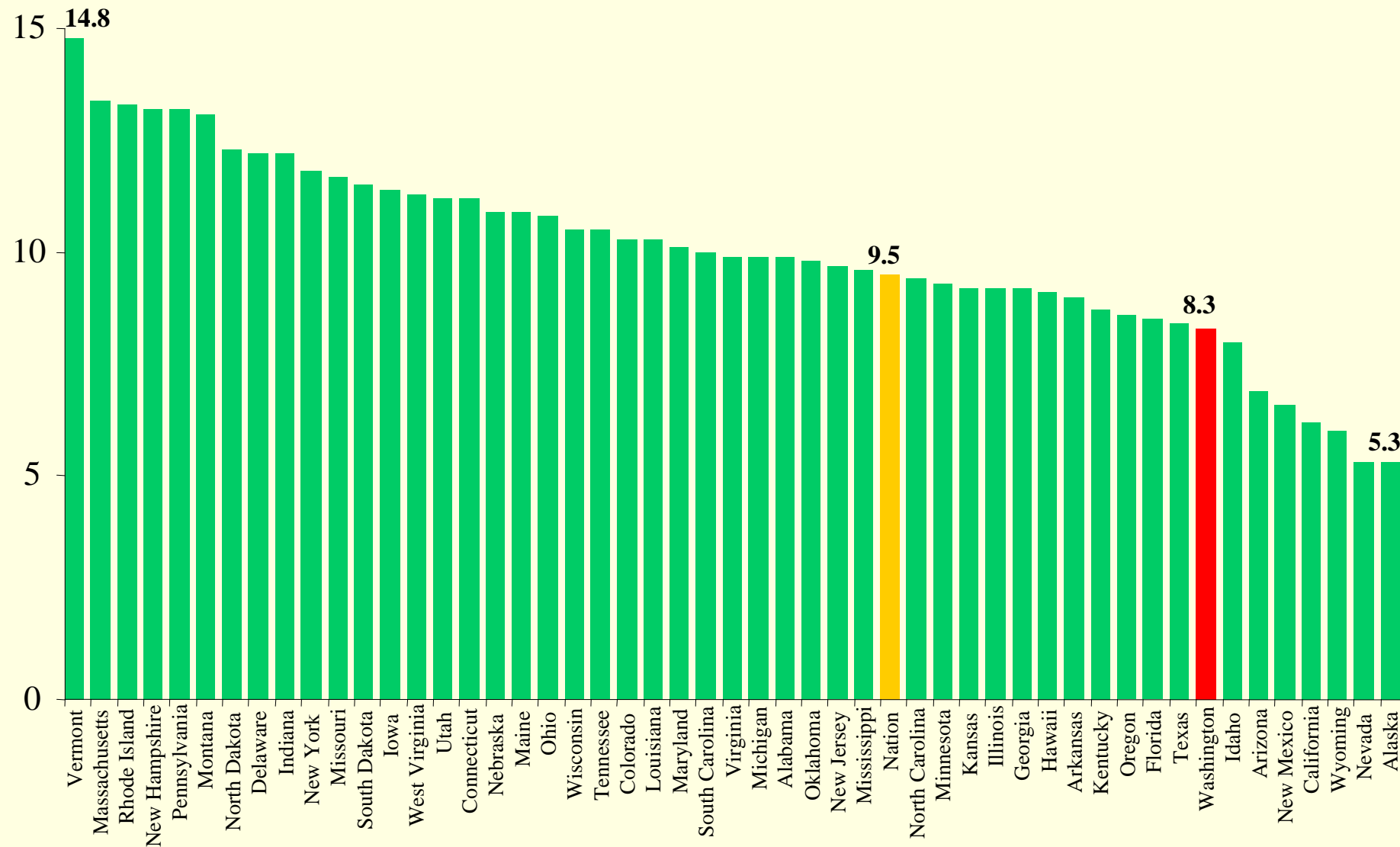
Source: Washington State Board for Community and Technical Colleges

Graduation Rates – Percent of Bachelor’s Students Graduating within Six Years (%) - 2001



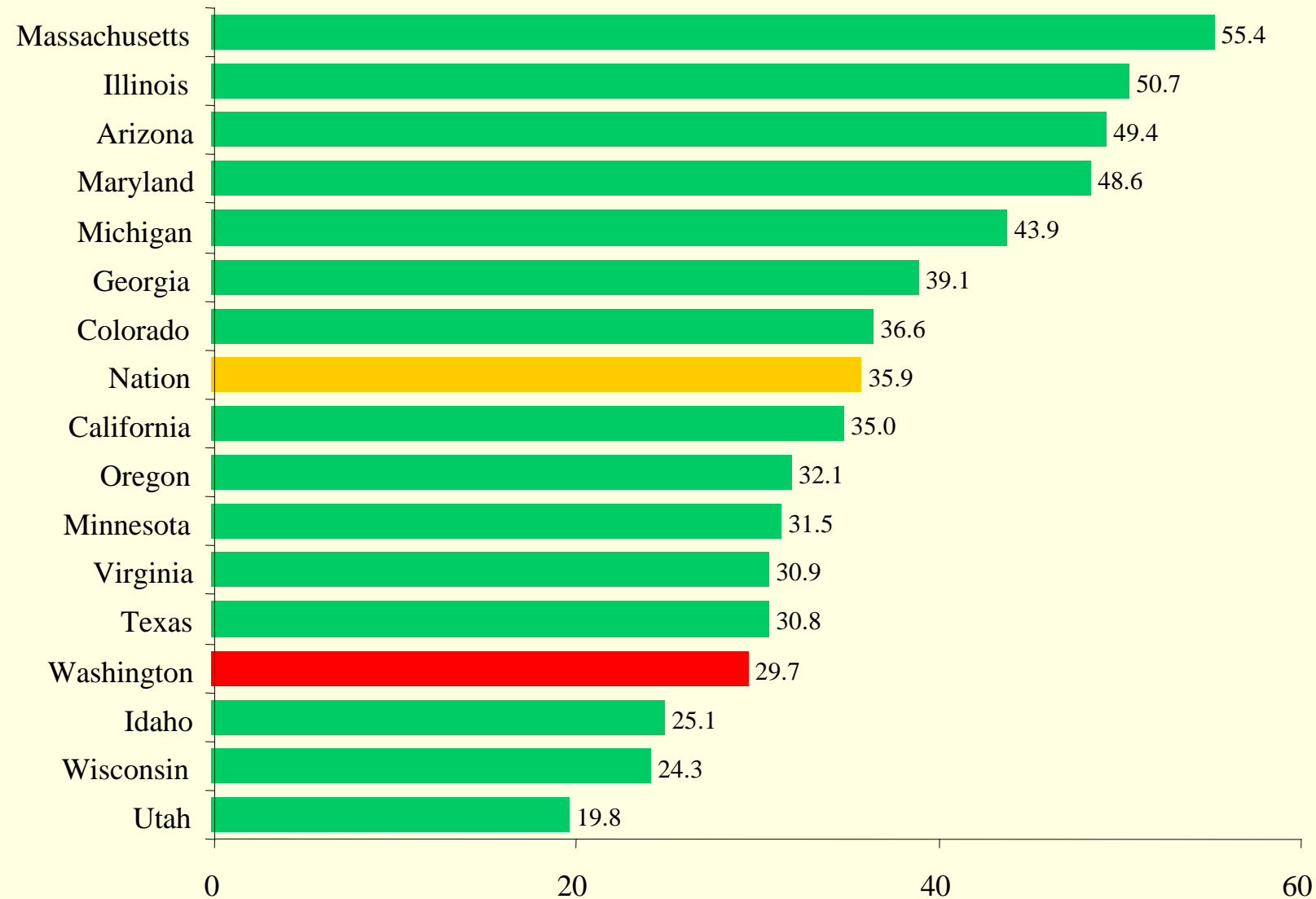
Source: NCES-IPEDS, Graduation Rate Survey

Bachelor's Degrees Awarded as a Percent of All Undergraduates (%) - 2002

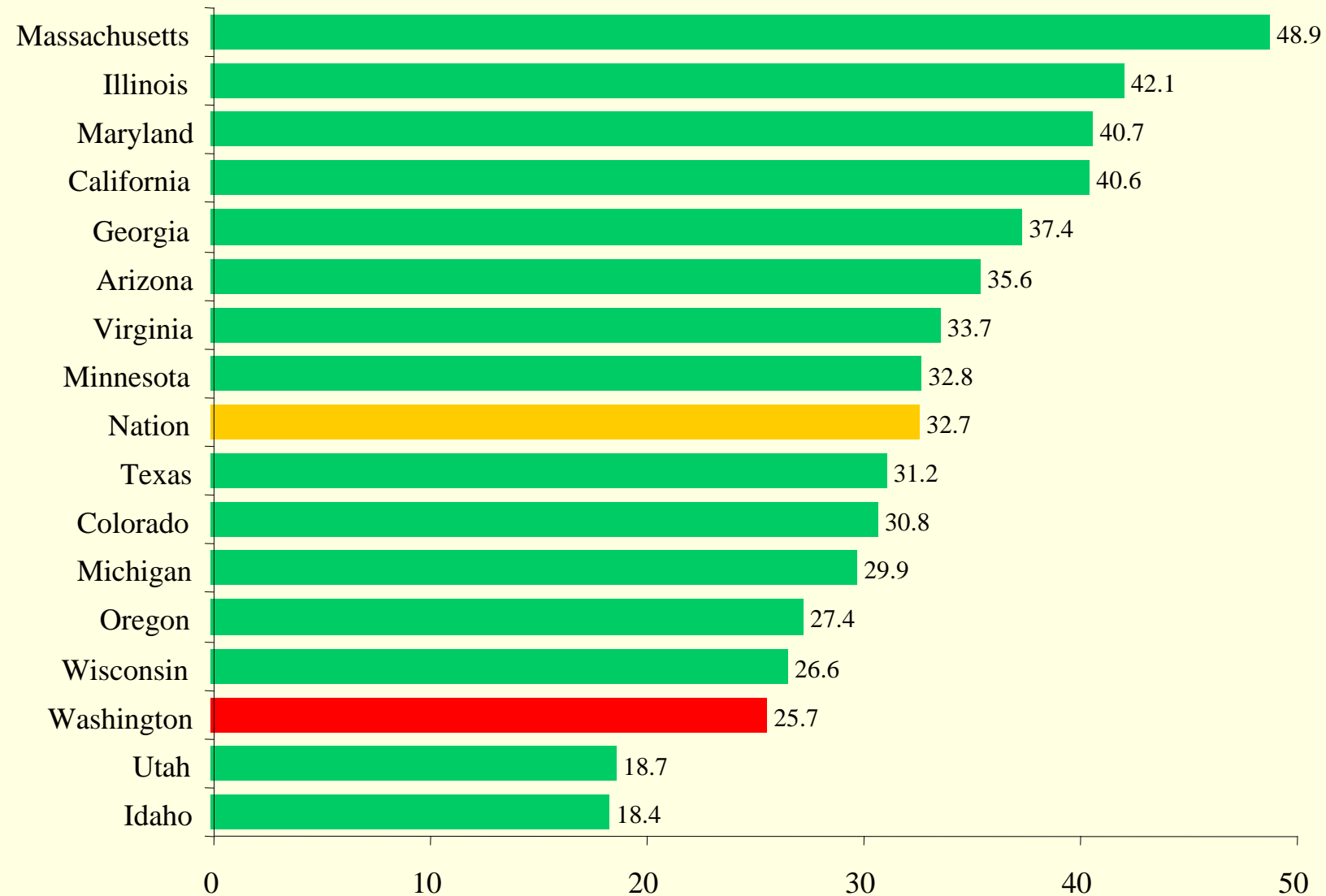


Source: NCES-IPEDS Completions Survey, Enrollment Survey

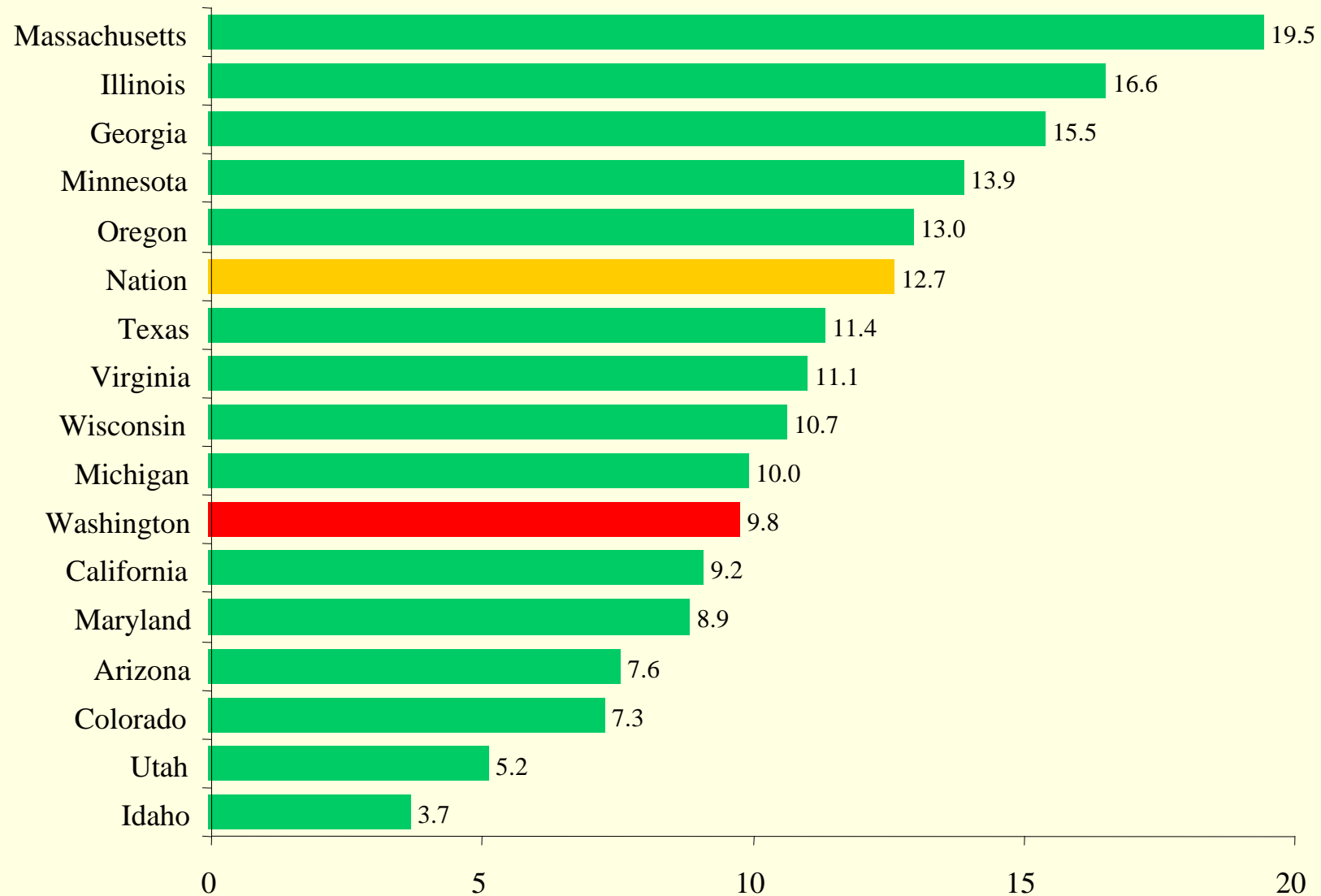
Masters Degrees Awarded Per 100 Bachelor's Degrees Awarded – 2001-02



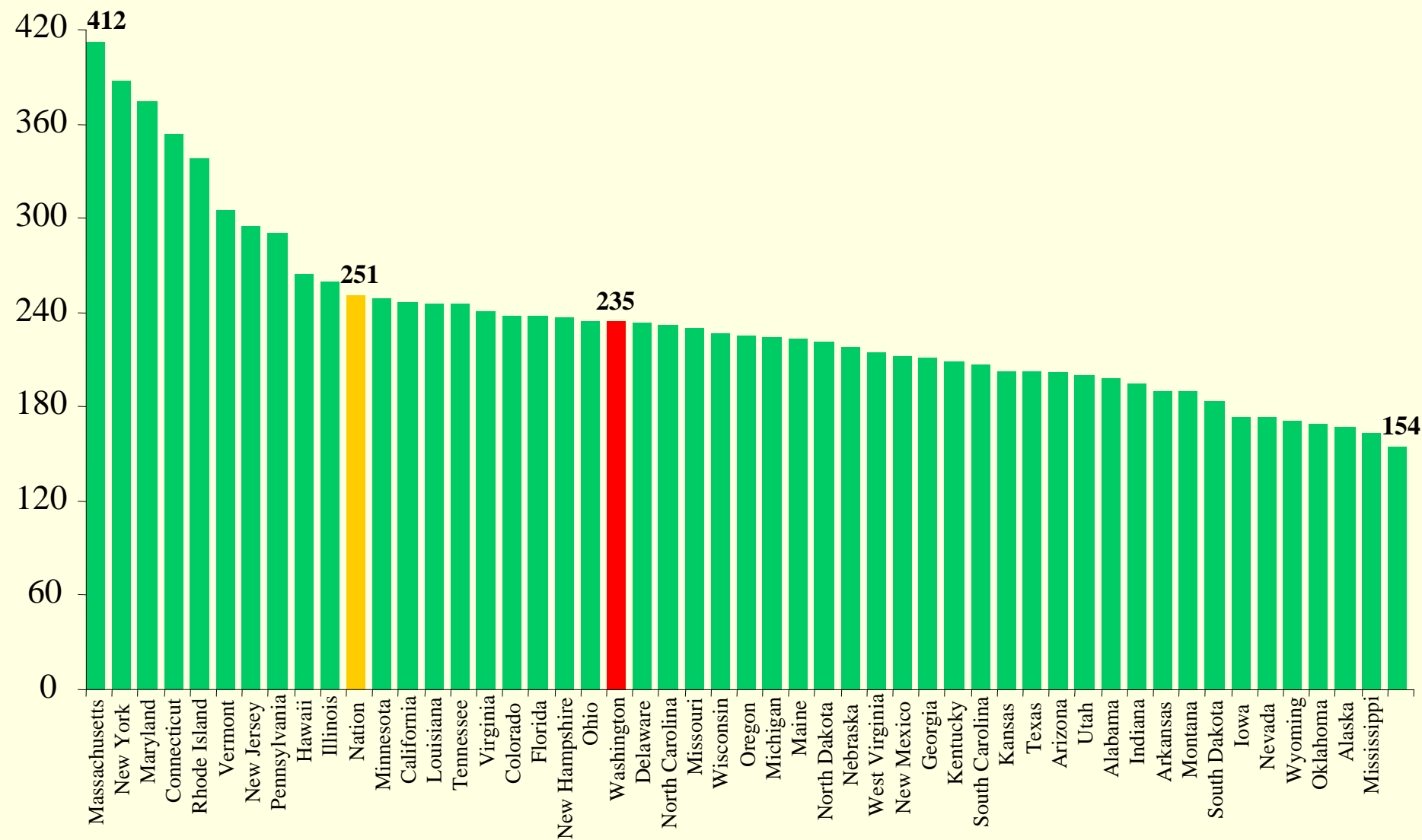
Doctoral Degrees Awarded Per 1,000 Bachelor's Degrees Awarded – 2001-02



First-Professional Medical Degrees Awarded Per 100,000 Population – 2001-02

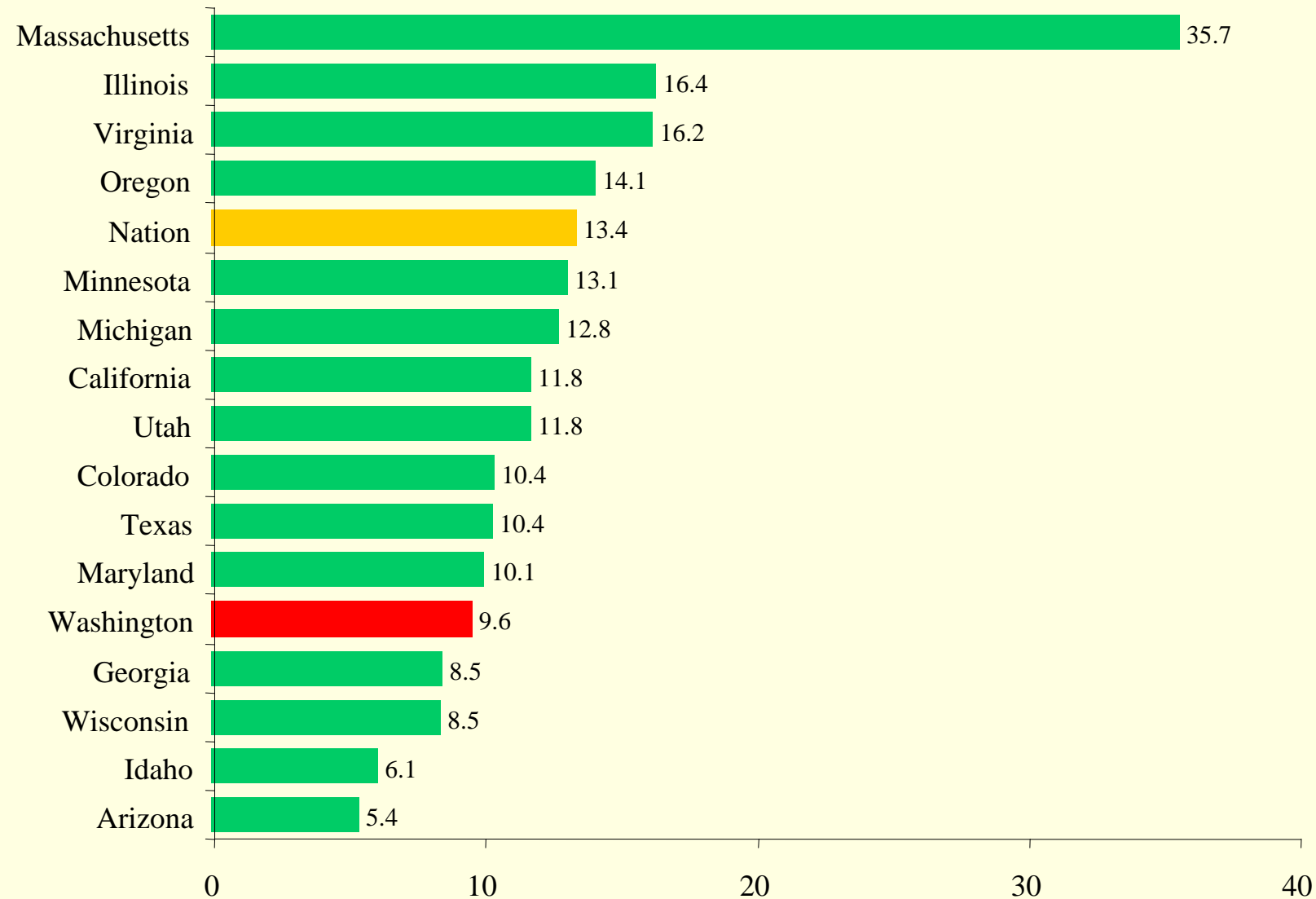


Medical Doctors Per 100,000 in the Population - 1998



Source: US Census Bureau

First-Professional Law Degrees Awarded Per 100,000 Population – 2001-02

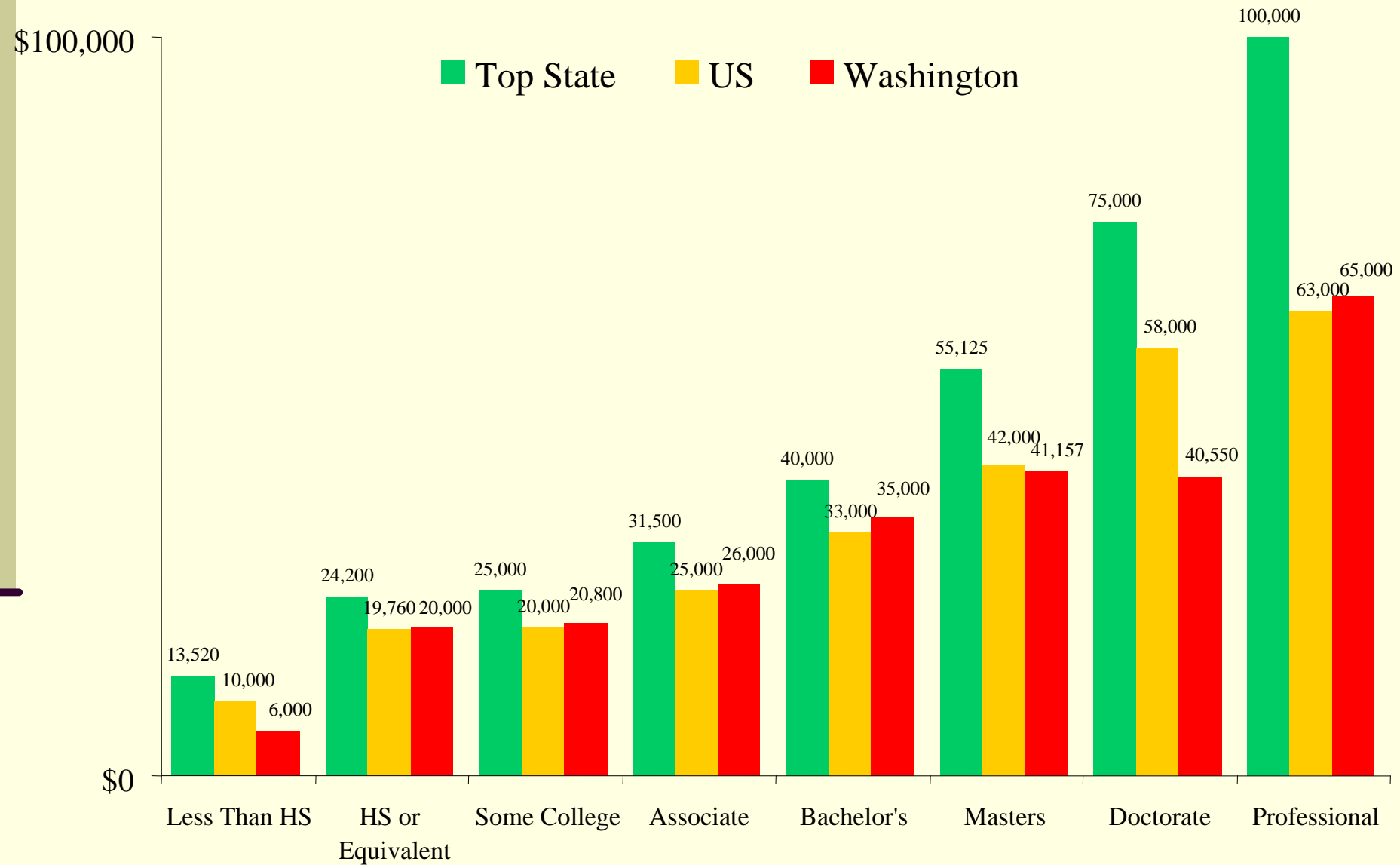


Sources: NCES-IPEDS Completions Survey

Washington Planning Information

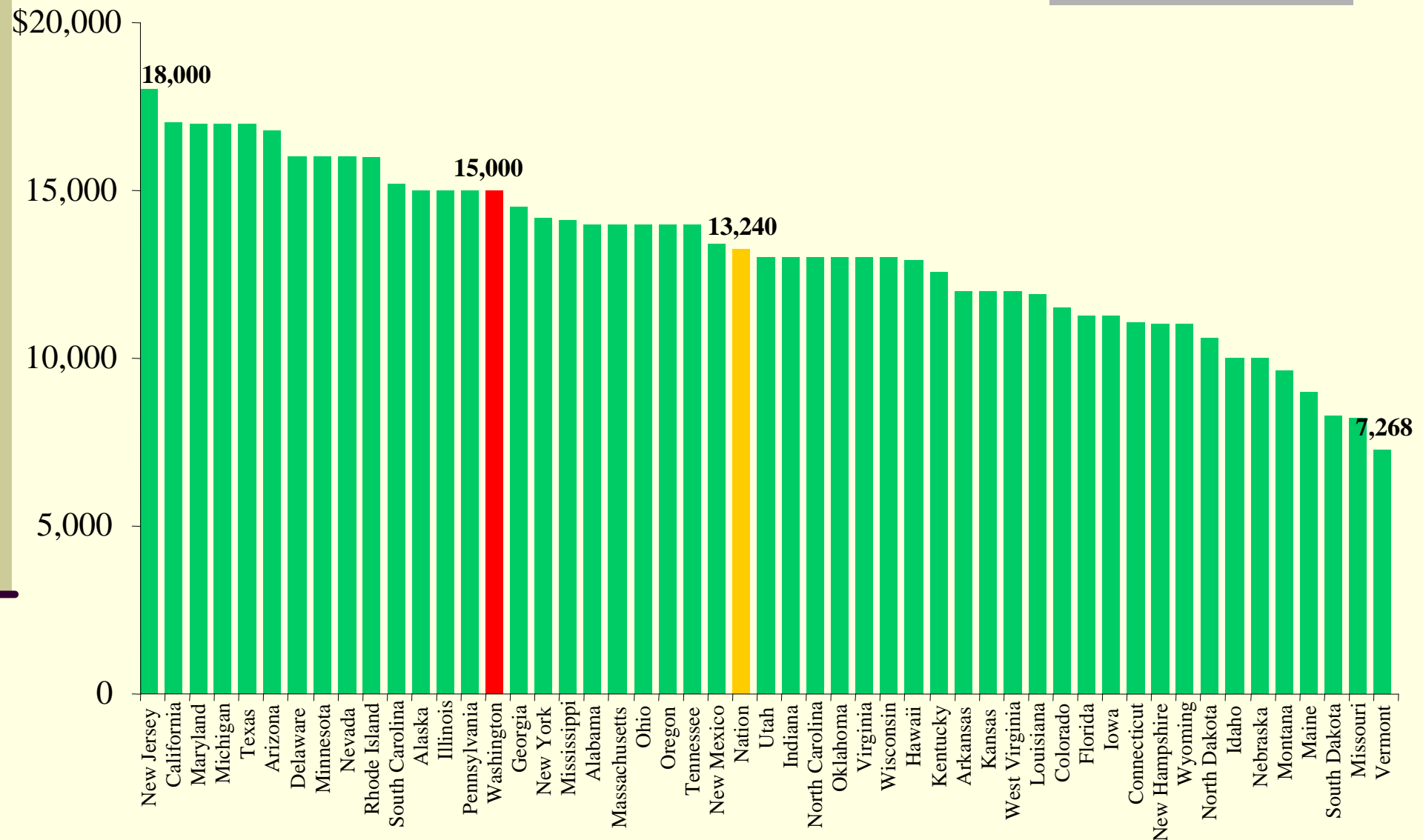
Employment and the Economy

Median Earnings by Degree-Level (\$)



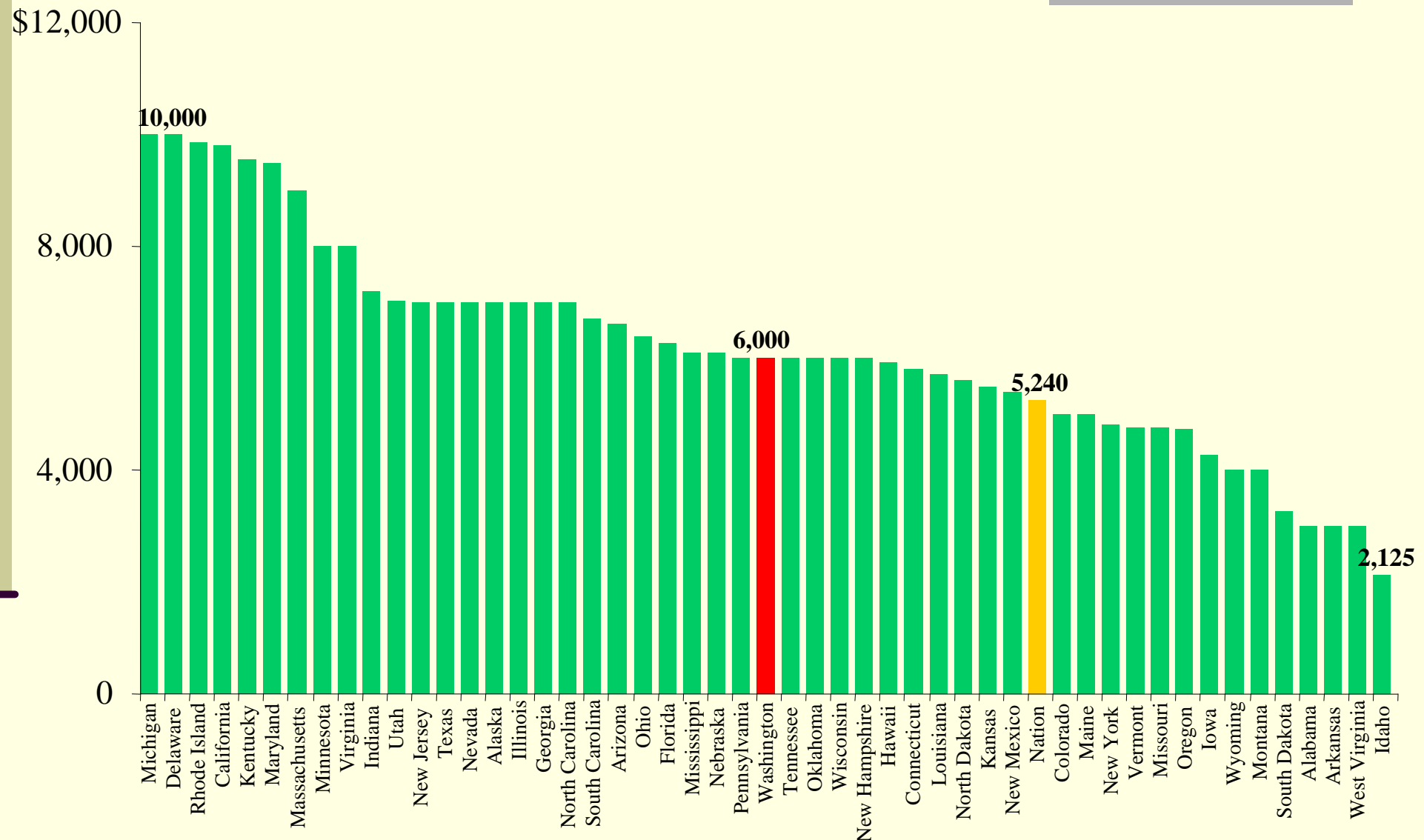
Source: US Census Bureau, Current Population Survey – 1998 to 2001

Difference in Median Earnings from a High School Diploma to a Bachelor's Degree (\$)



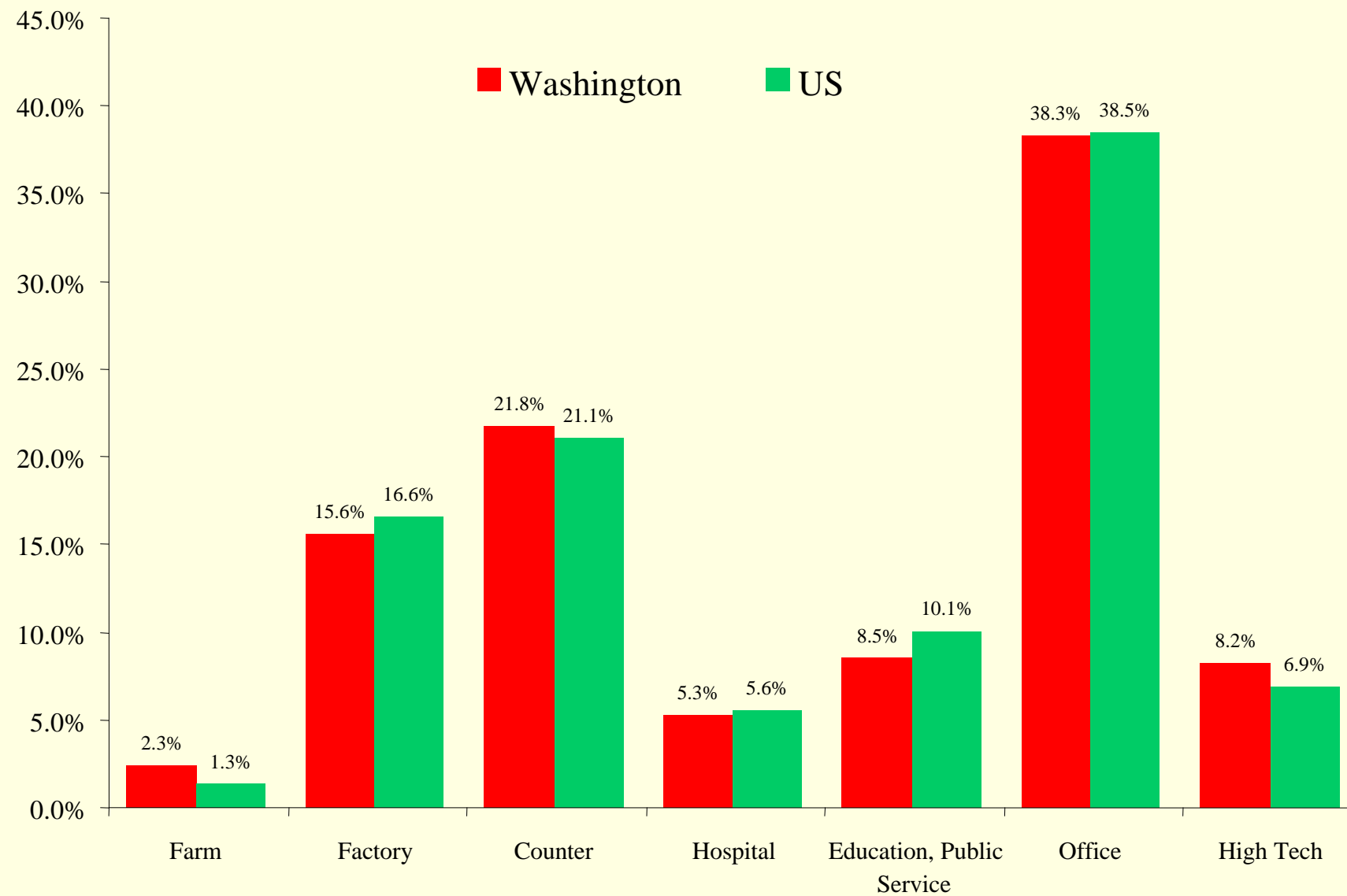
Source: US Census Bureau, Current Population Survey – 1998 to 2001

Difference in Median Earnings from a High School Diploma to an Associates Degree (\$)



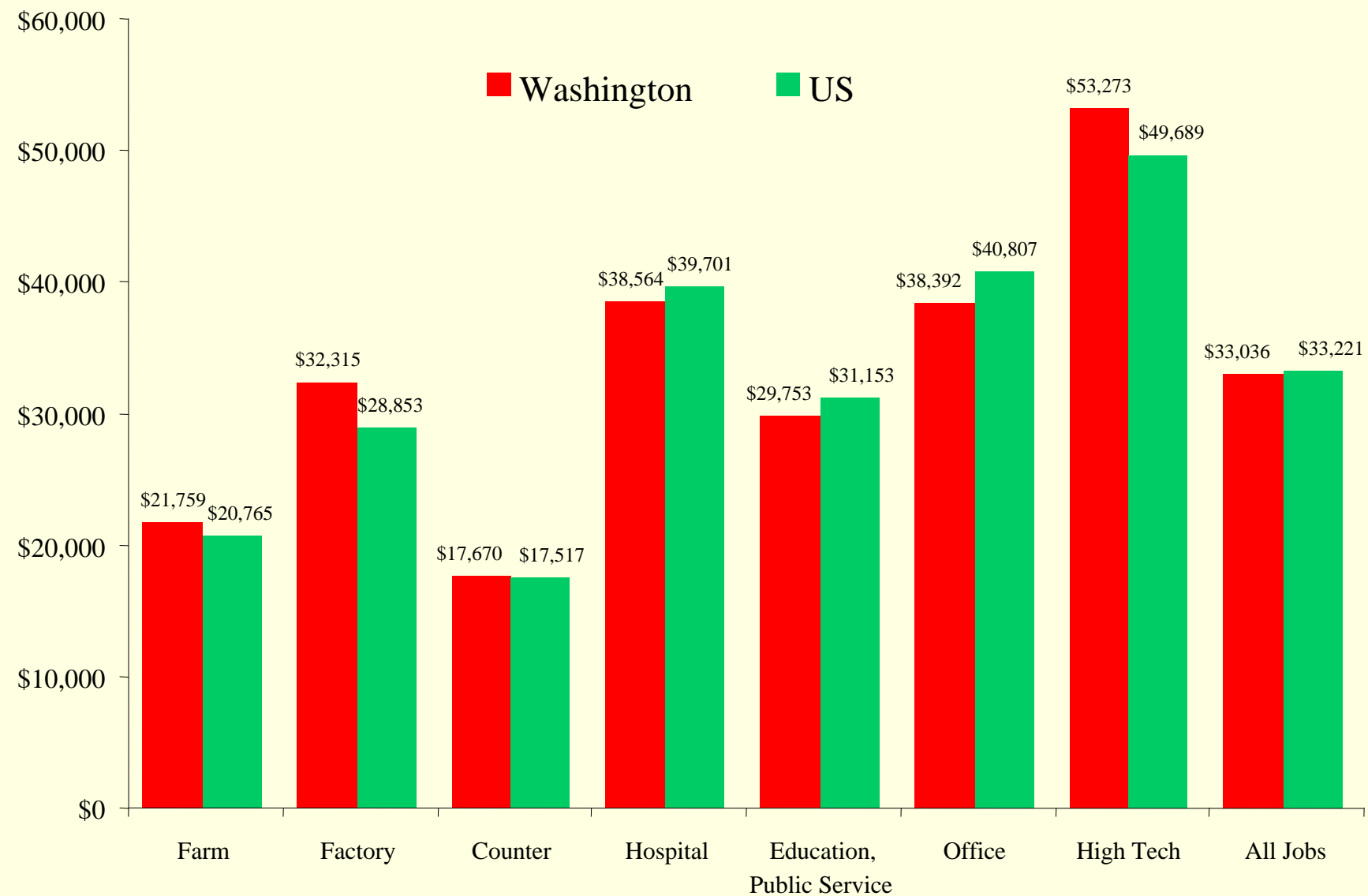
Source: US Census Bureau, Current Population Survey – 1998 to 2001

Employment by Job Type (16 and Older) – 1999 to 2001



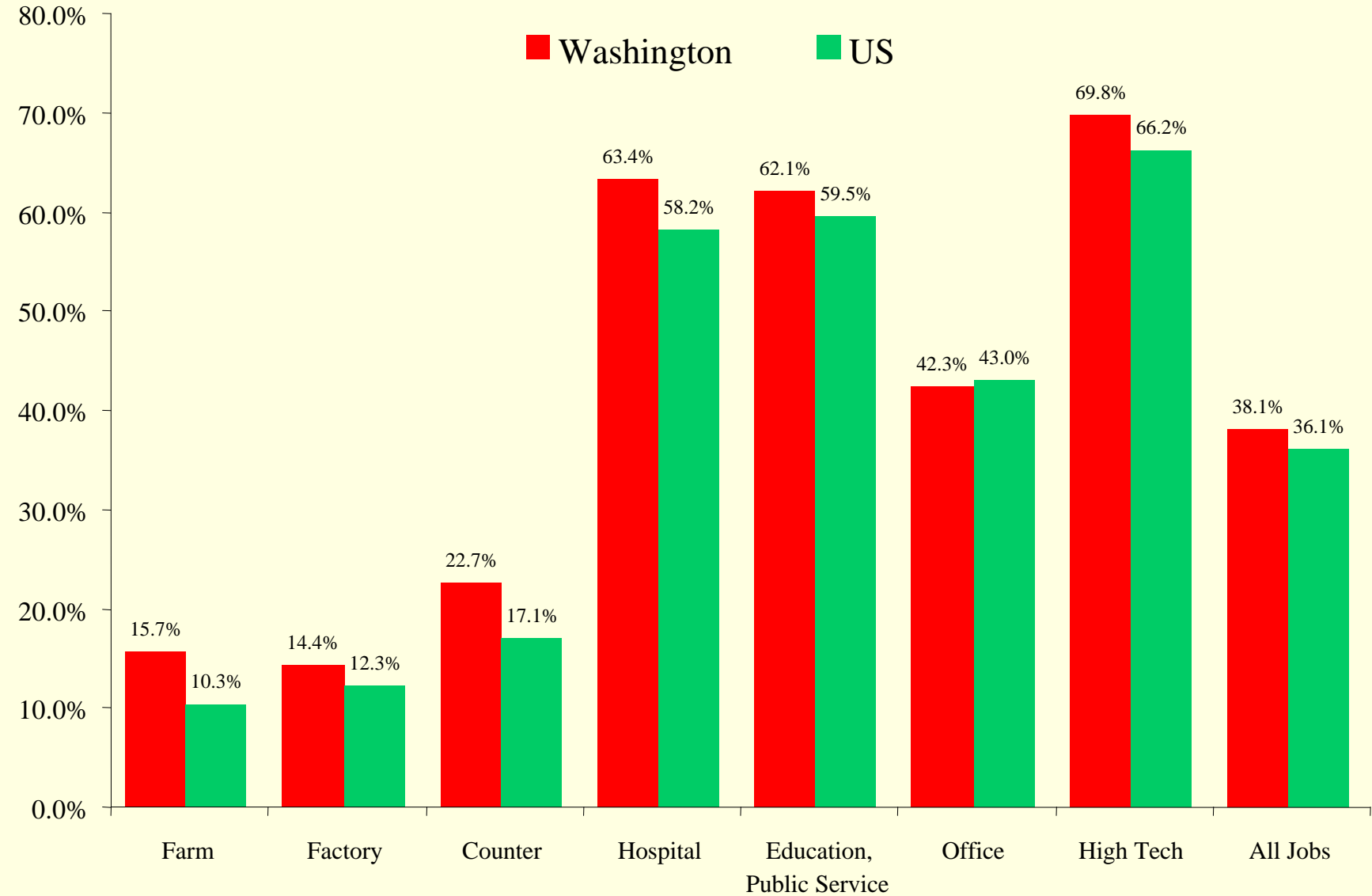
Sources: Tony Carnevale and Donna Desrochers, ETS (US Census Bureau, Current Population Survey Data)

Earnings by Job Type (16 and Older) – 1999 to 2001



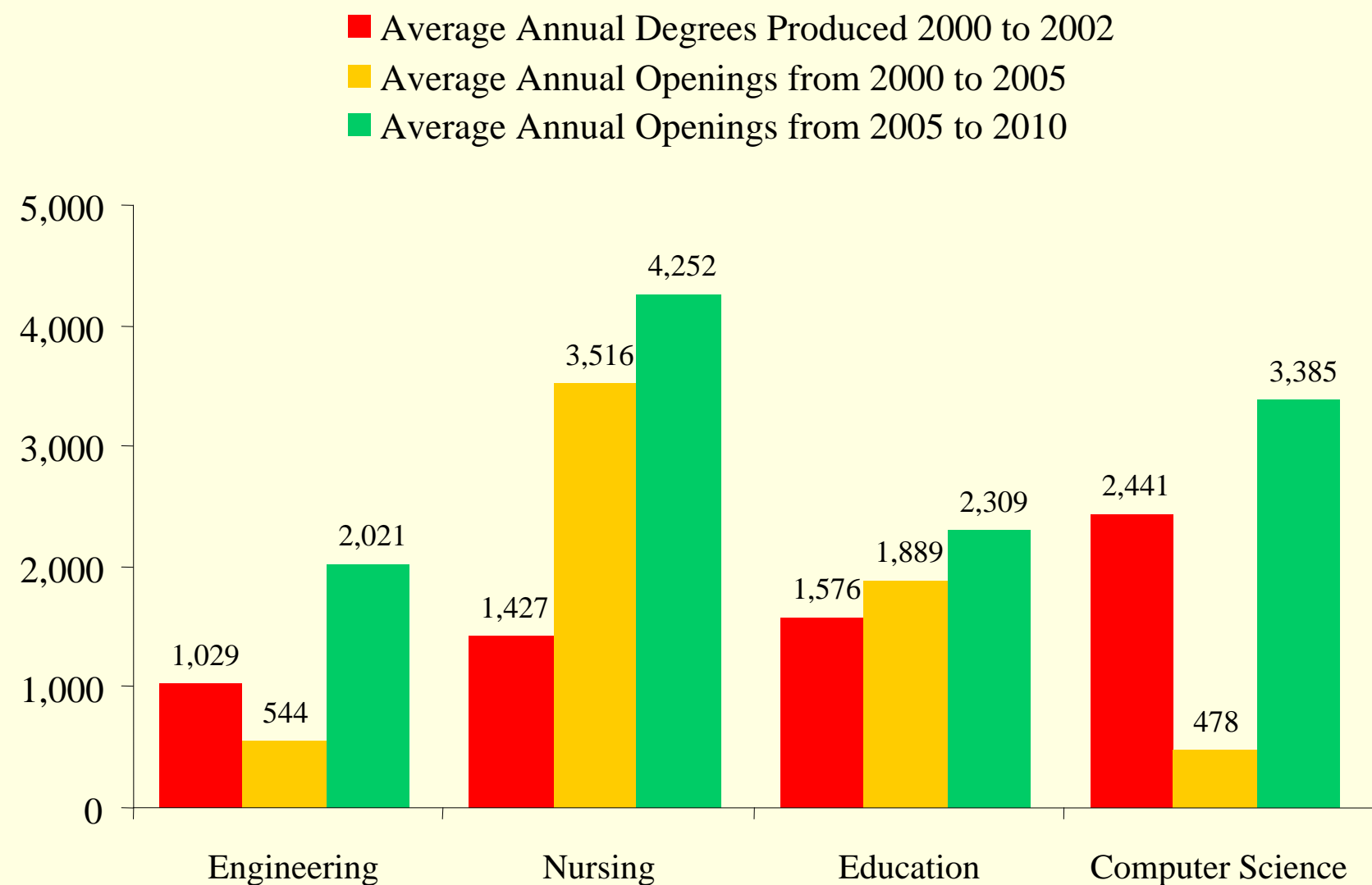
Sources: Tony Carnevale and Donna Desrochers, ETS (US Census Bureau, Current Population Survey Data)

Percent of Employees with a College Degree by Job Type – 1999 to 2001

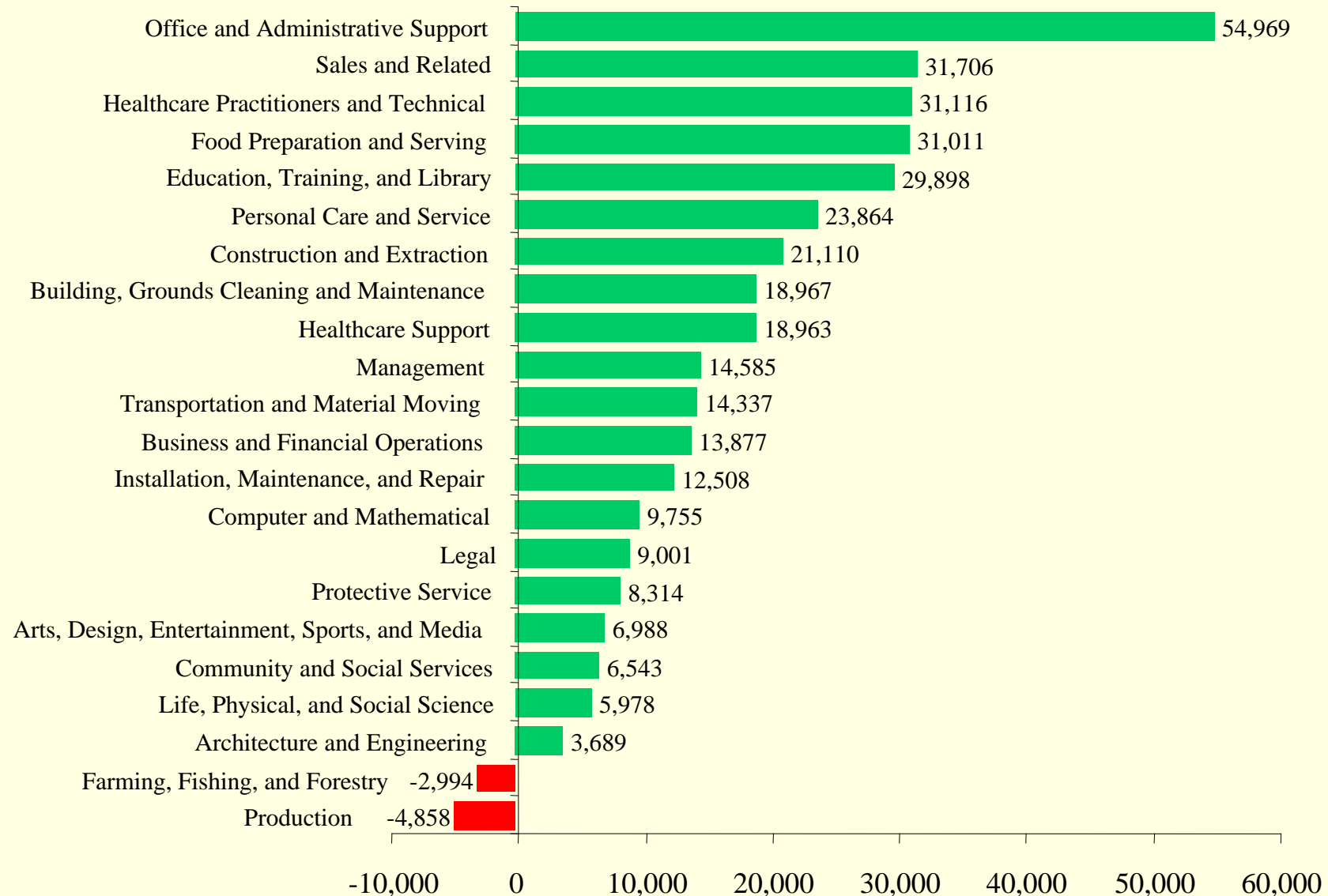


Sources: Tony Carnevale and Donna Desrochers, ETS (US Census Bureau, Current Population Survey Data)

Average Annual Degrees Awarded as a Percent of Annual Job Openings – by Selected Field

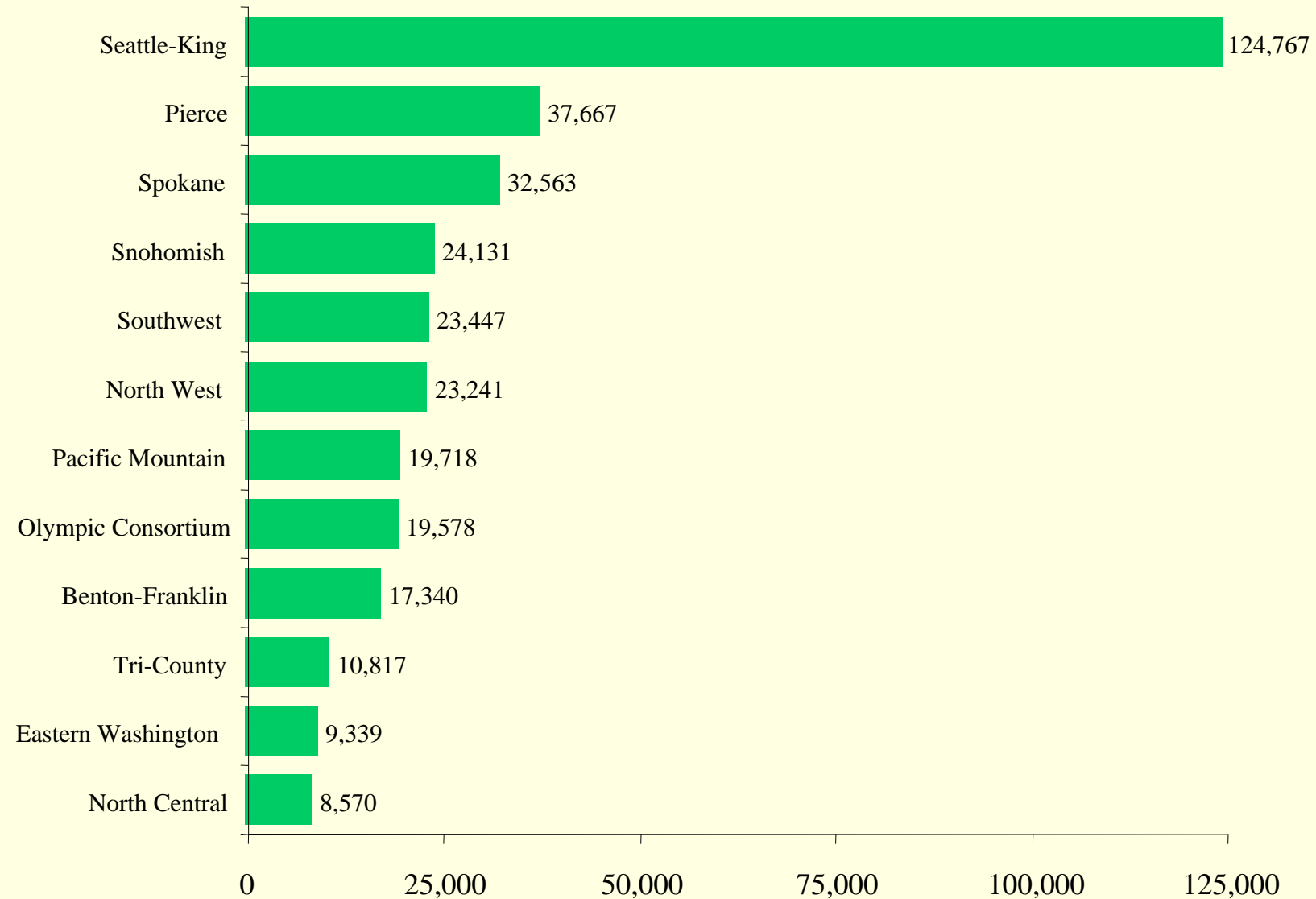


Occupation Projections – Number Change from 2000 to 2010



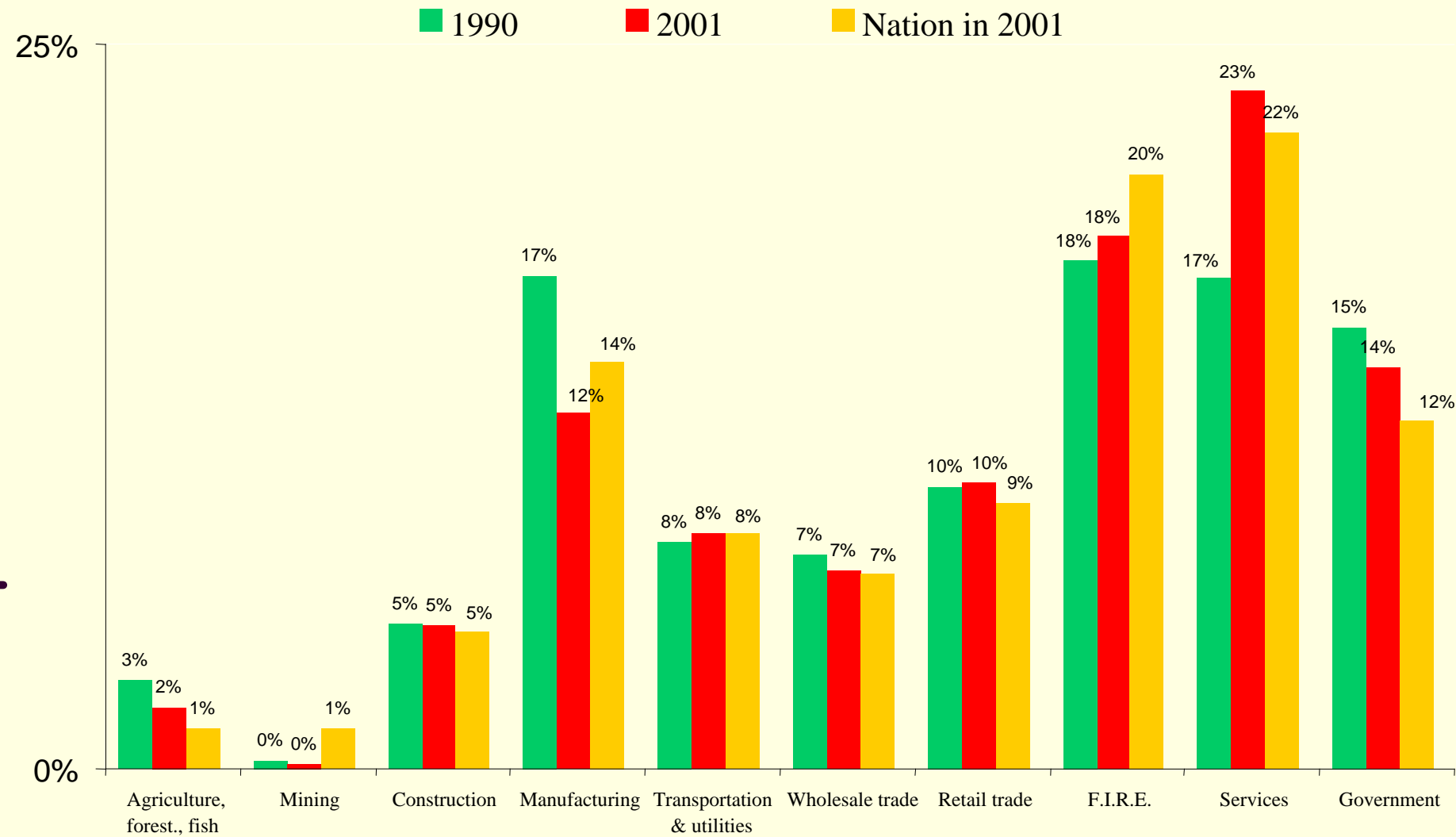
Sources: Washington Employment Security Department, Labor Market and Economic Analysis Branch

Projected Job Growth by Region (Number) – 2000 to 2010



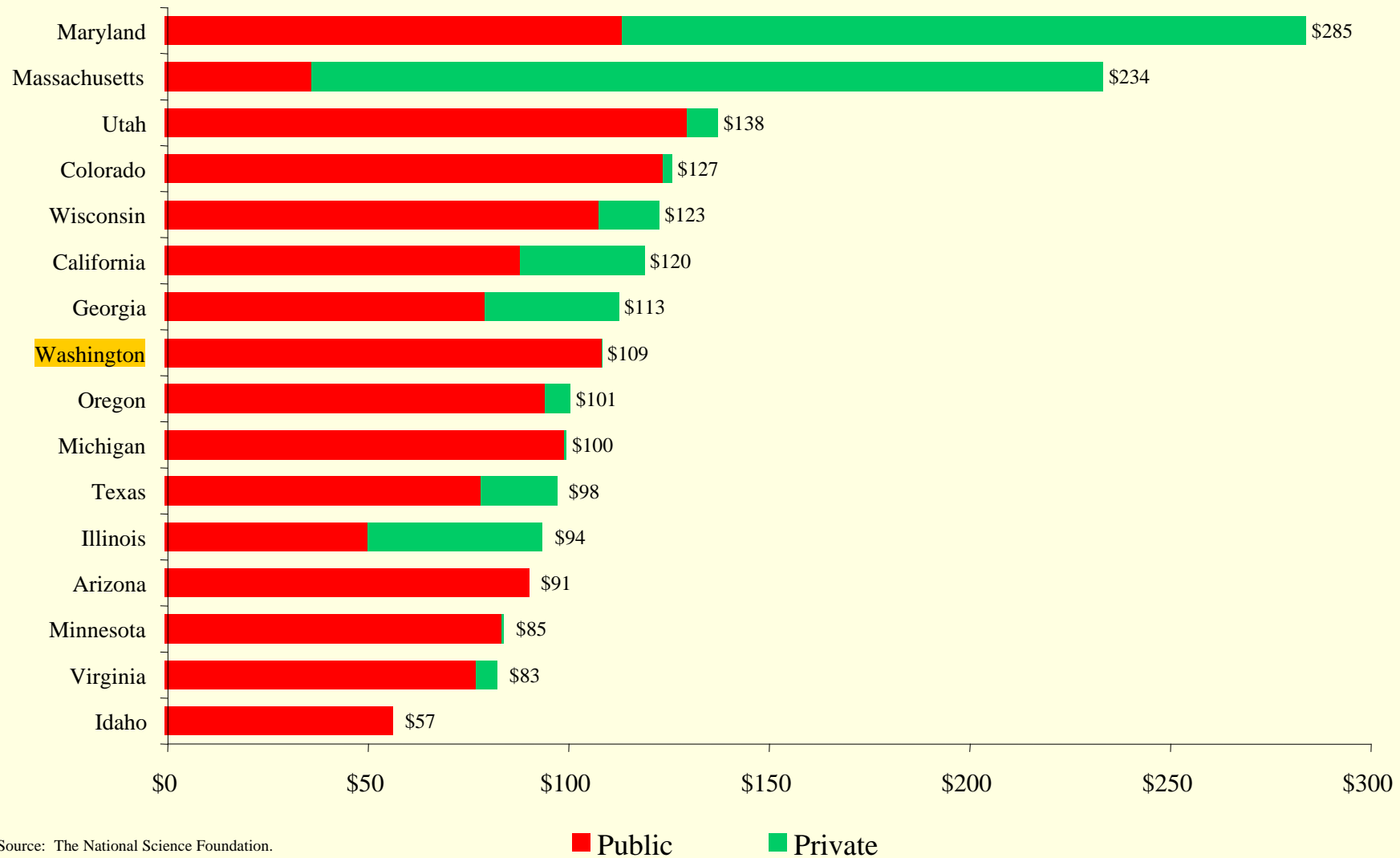
Sources: Washington Employment Security Department, Labor Market and Economic Analysis Branch

Industry as a Percent of Gross State Product

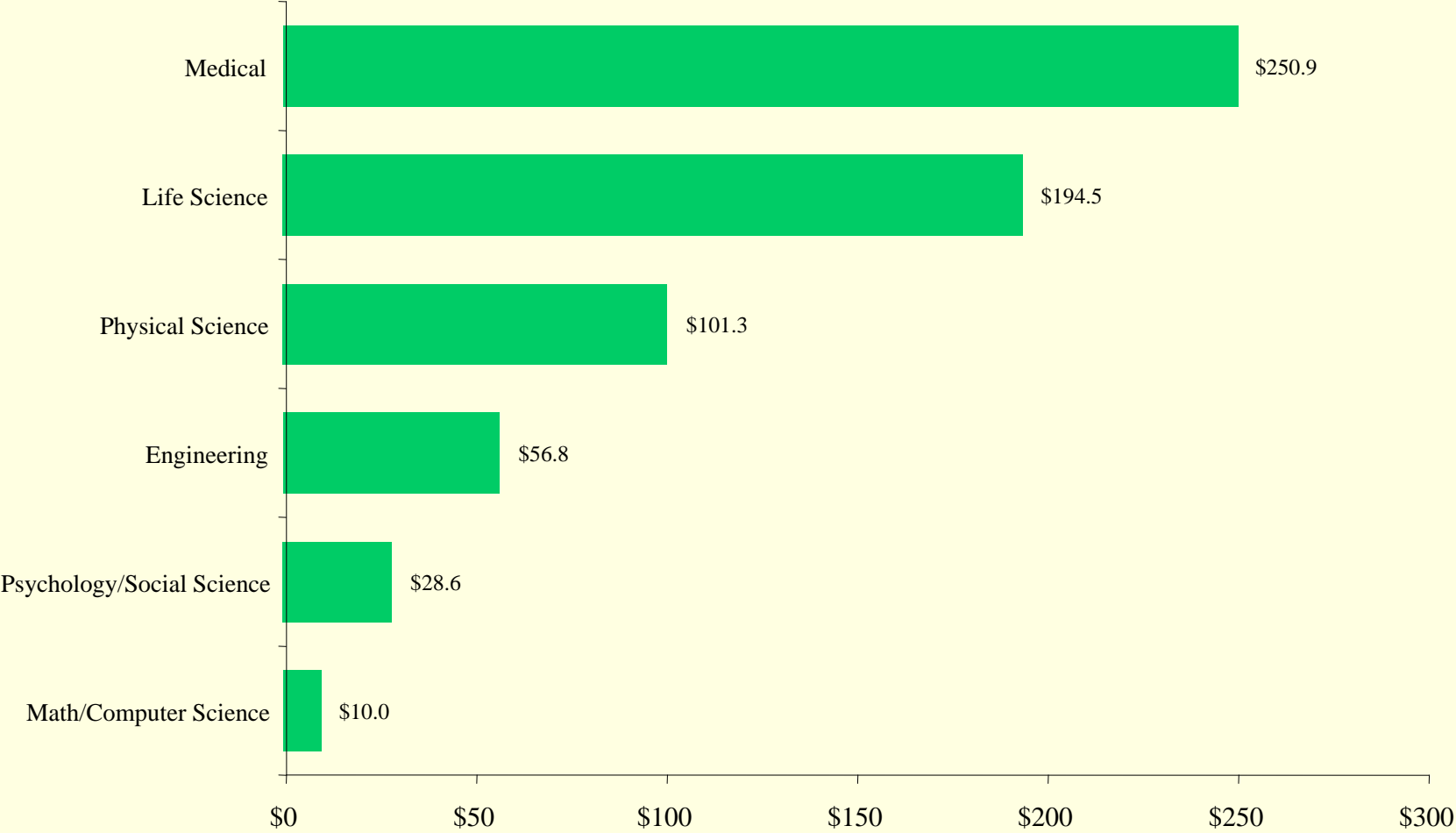


Source: Bureau of Economic Analysis

Total R&D Per Capita, 2000

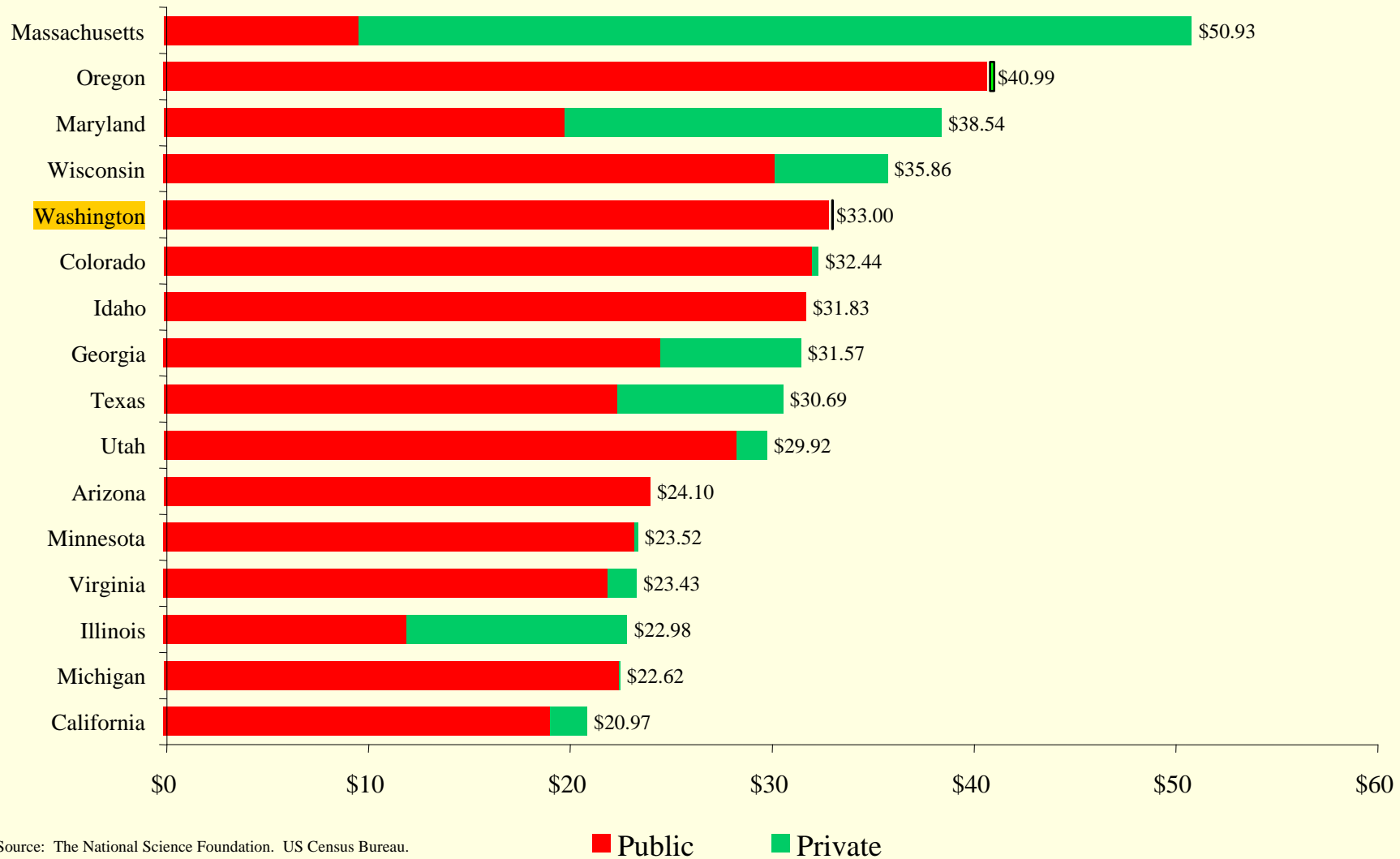


Total R&D in Selected Fields for Washington (Millions of Dollars), 2000

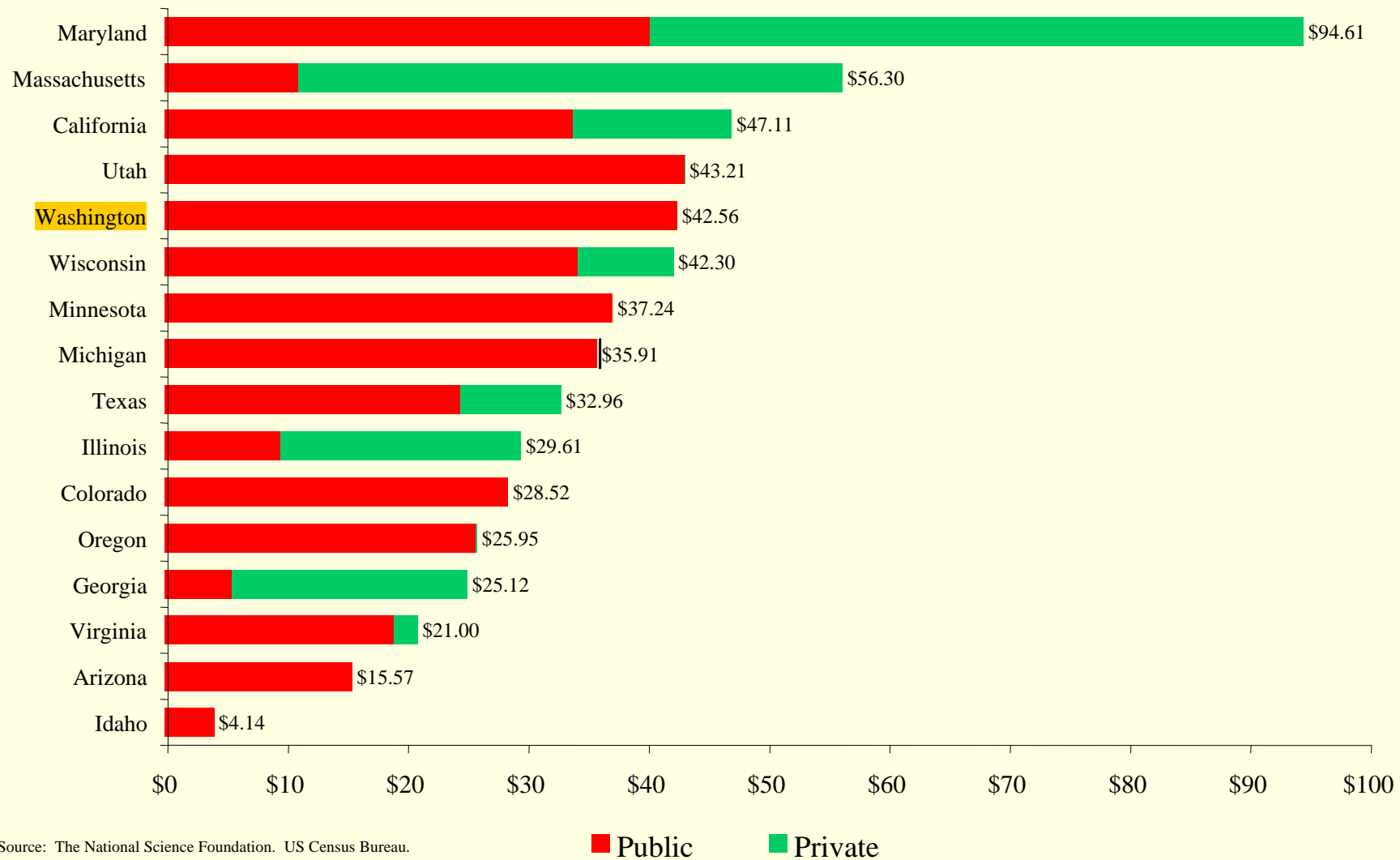


Source: The National Science Foundation.

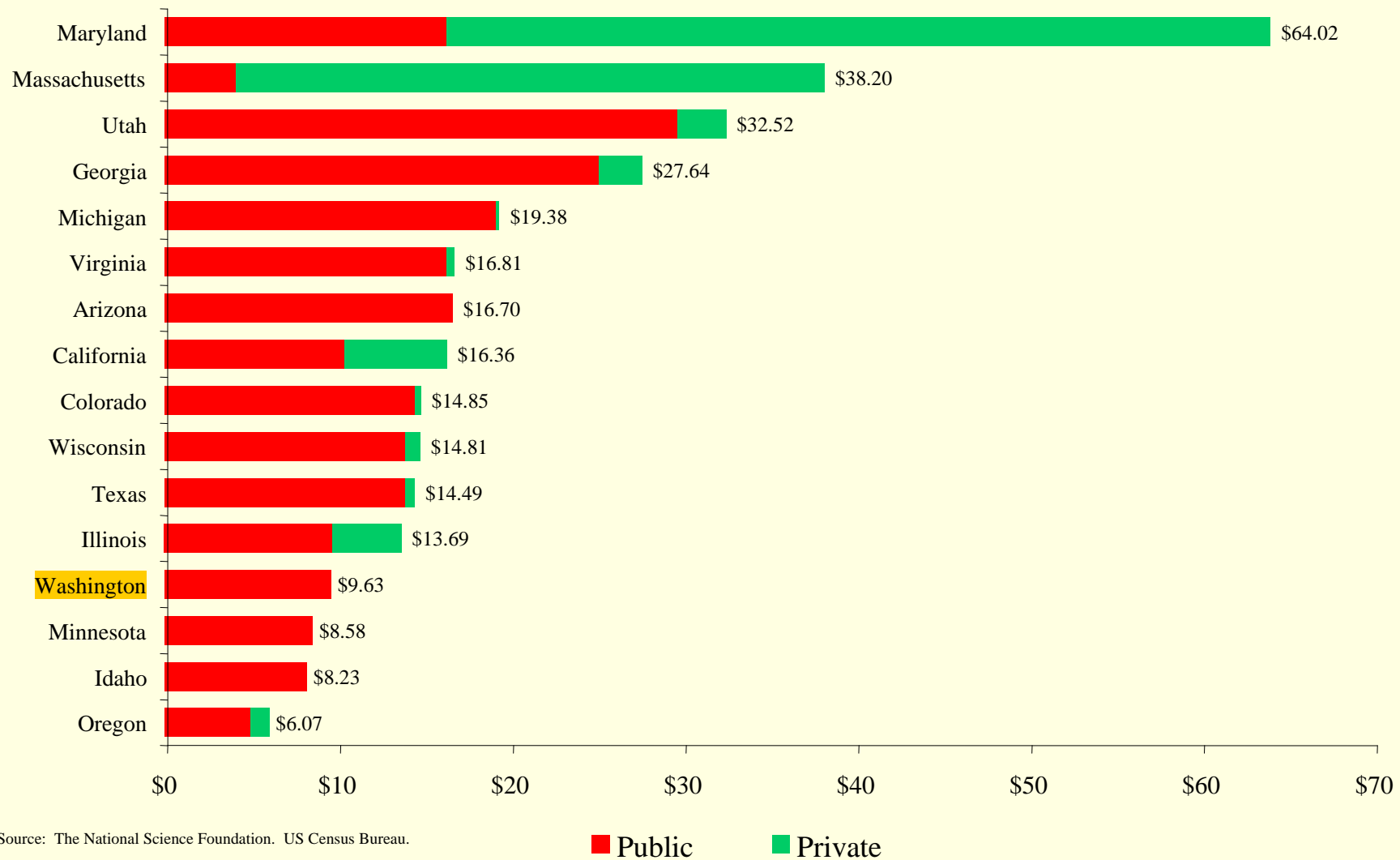
Life Science R&D Per Capita, 2000



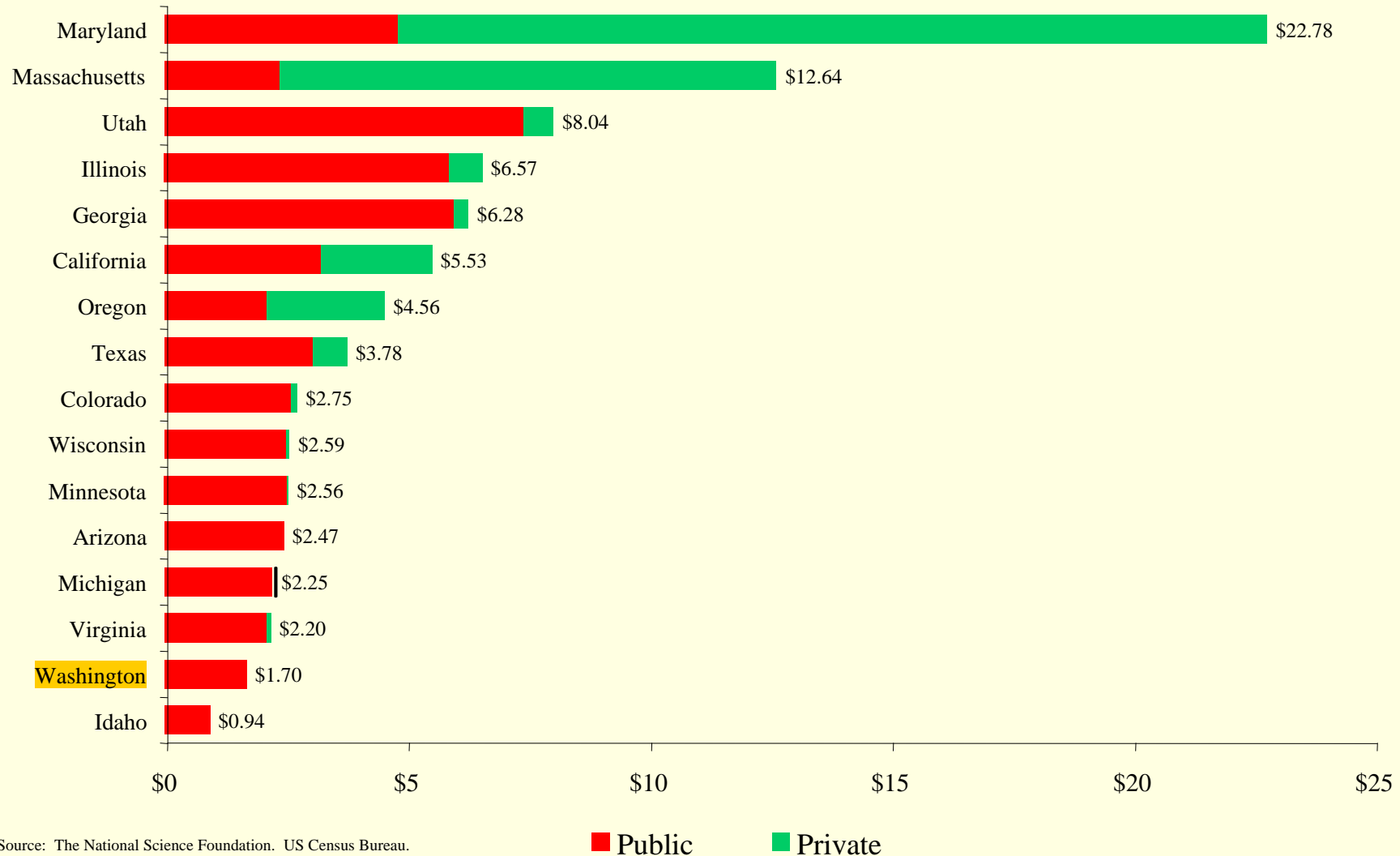
Medical Science R&D Per Capita, 2000



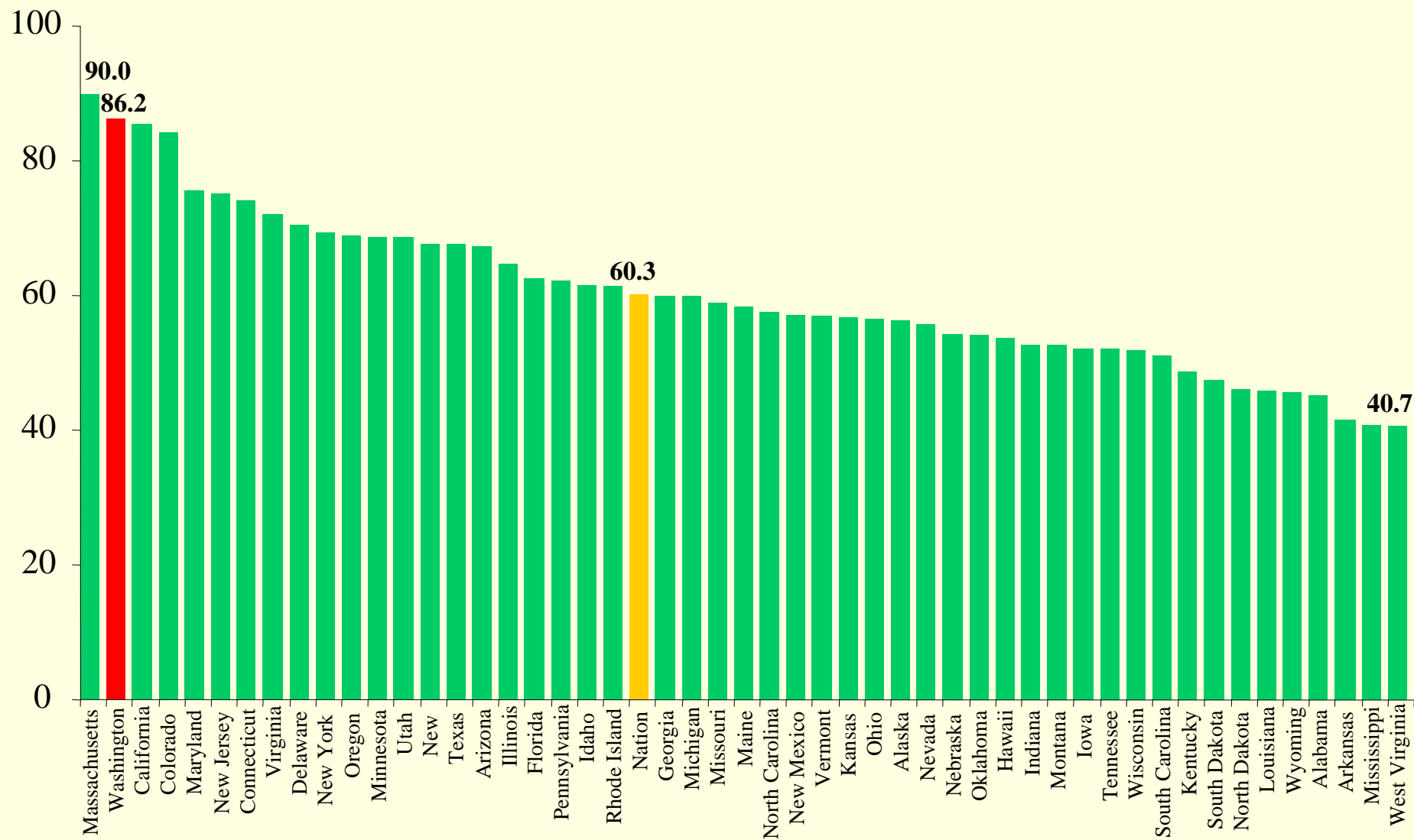
Engineering R&D Per Capita, 2000



Computer Science R&D Per Capita, 2000

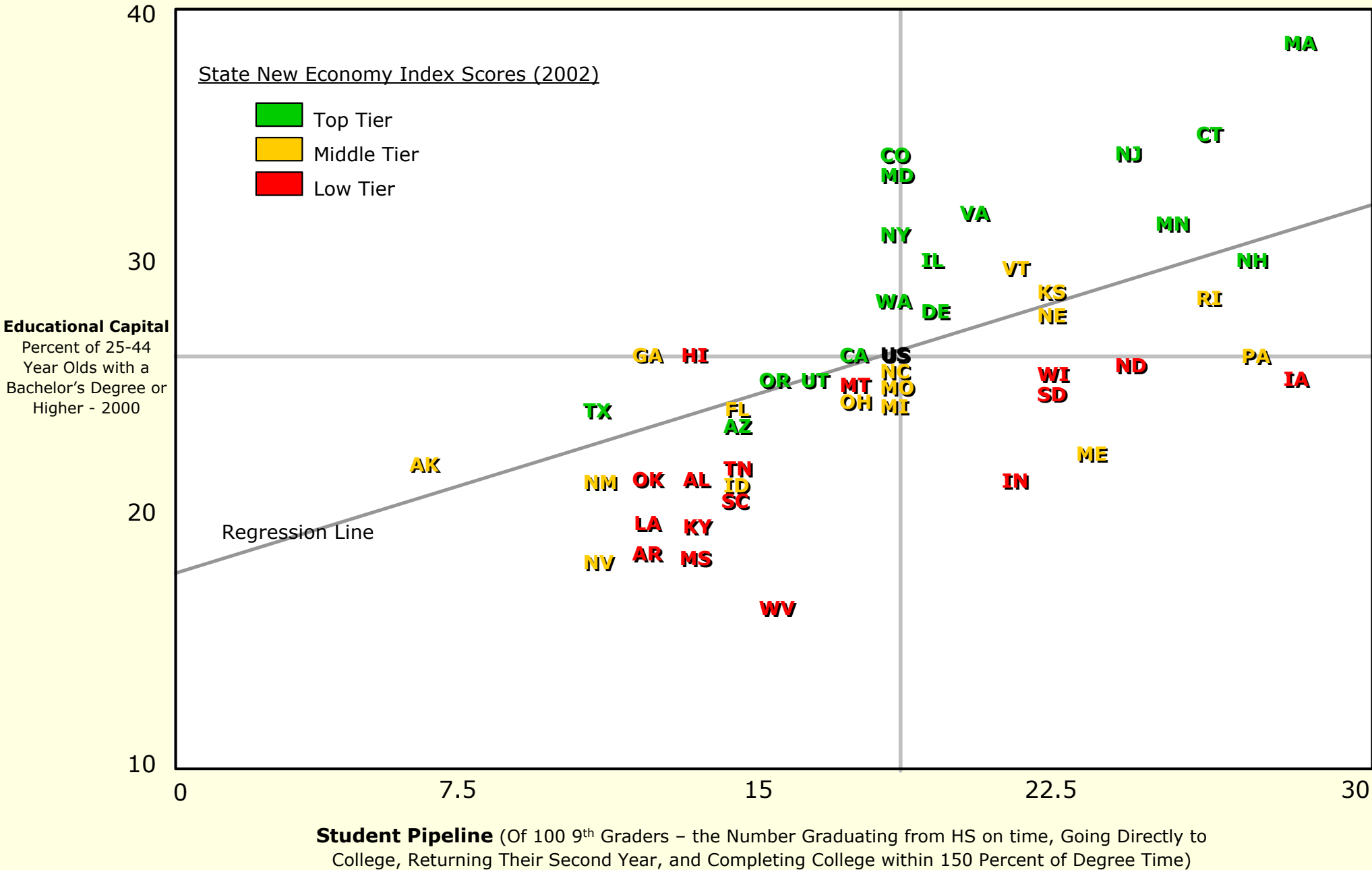


State New Economy Index – 2002

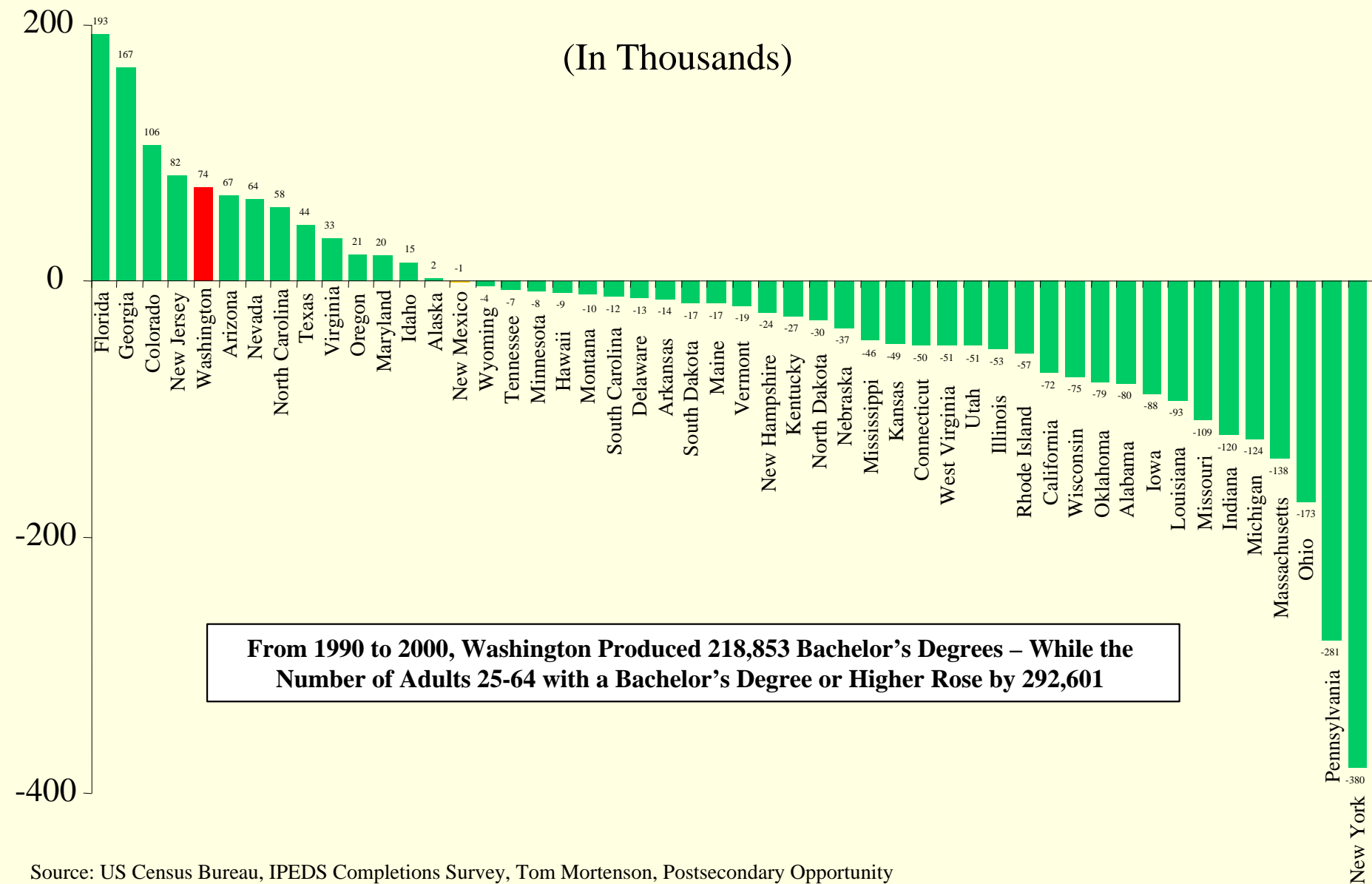


Source: Progressive Policy Institute

States Ability to Produce Graduates vs. Ability to Keep and Attract Graduates



Interstate Migration of Adults with a Bachelor's Degree or Higher:
Change in the Stock of Adults with a Bachelor's Degree or Higher Minus the
Number of Bachelor's Degrees Awarded (1990 to 2000) – 25 to 64 Year Olds

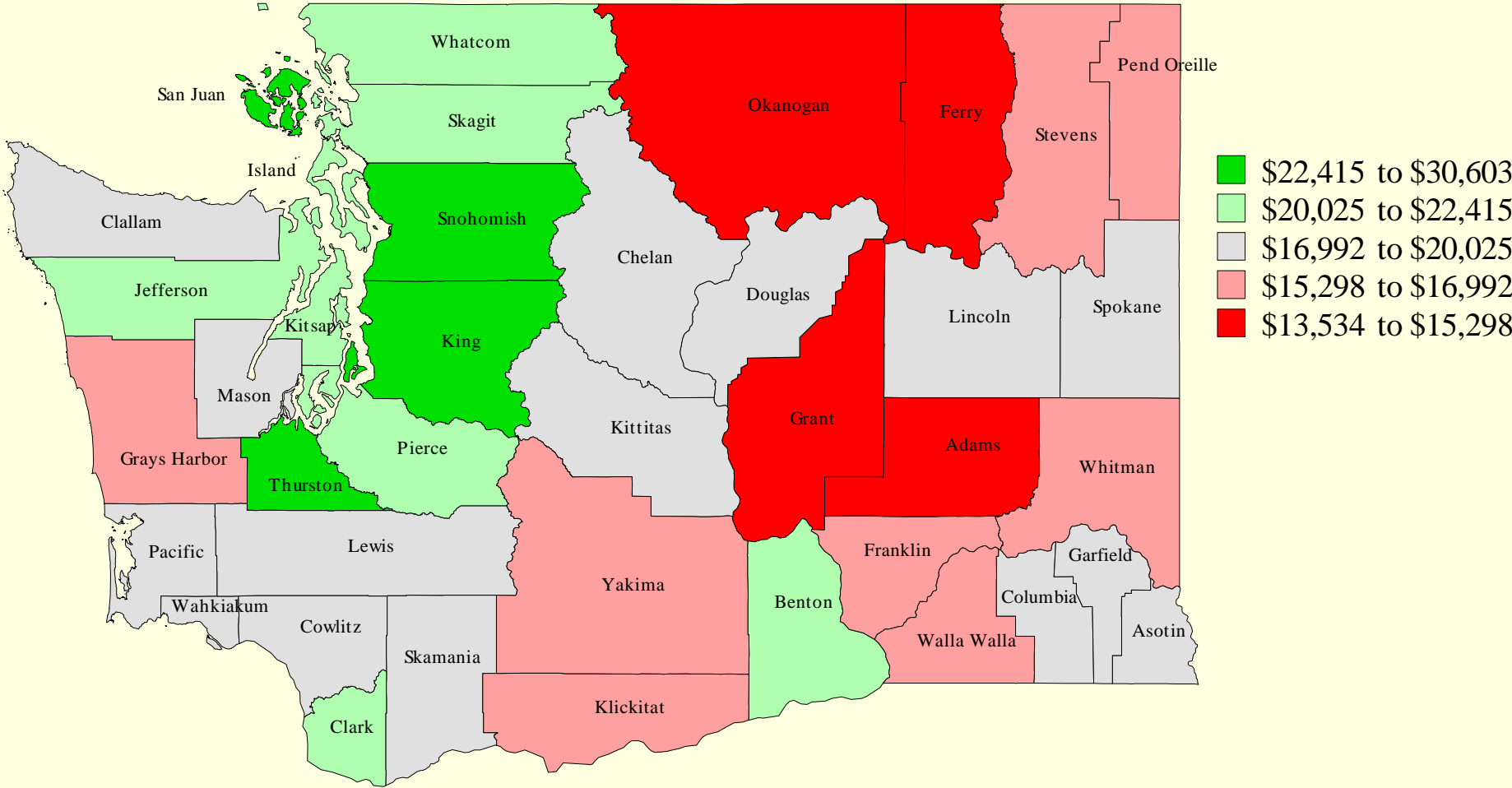


Source: US Census Bureau, IPEDS Completions Survey, Tom Mortenson, Postsecondary Opportunity

Washington Planning Information

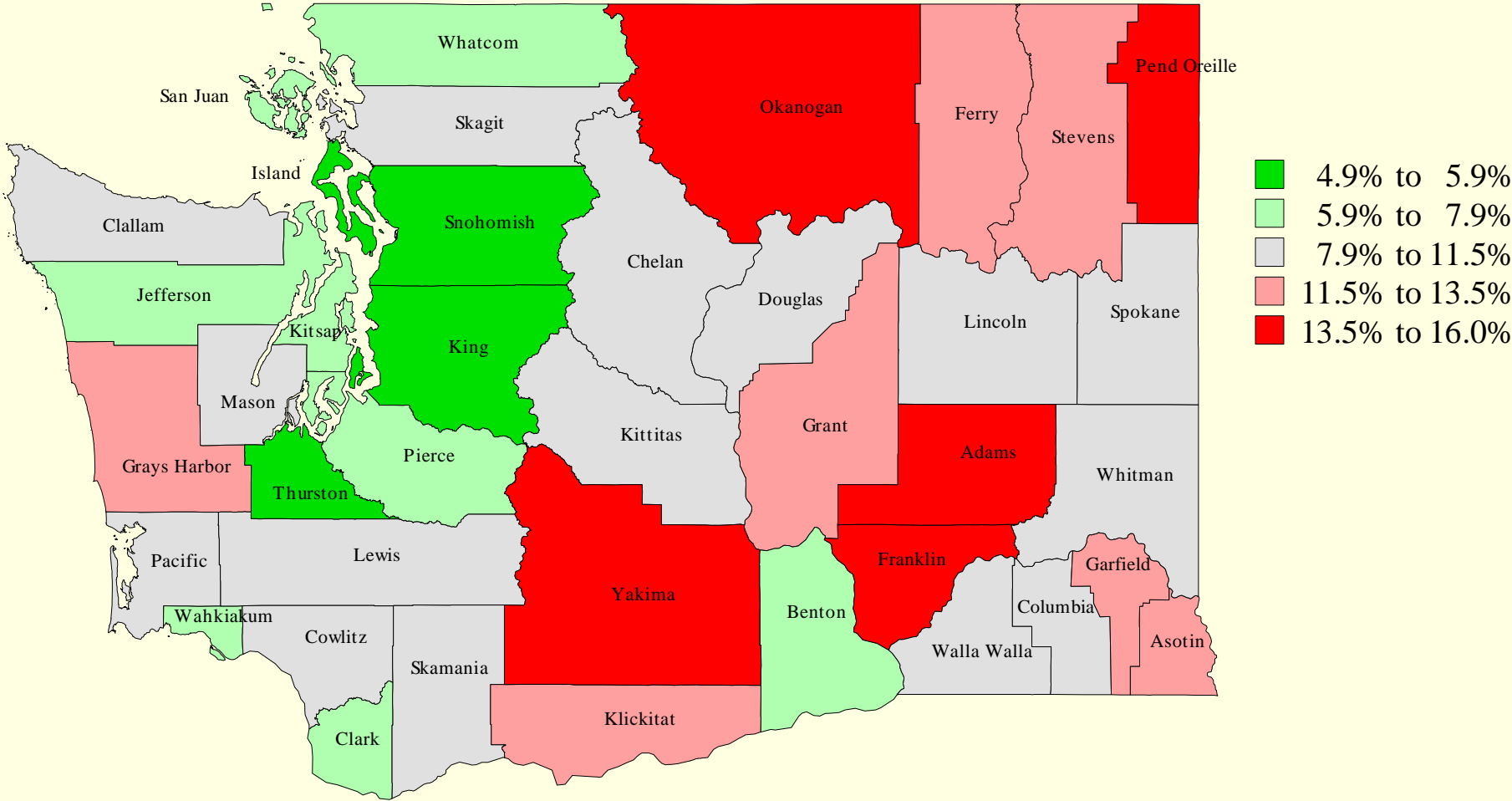
Regional Disparities

Per Capita Personal Income, 1999



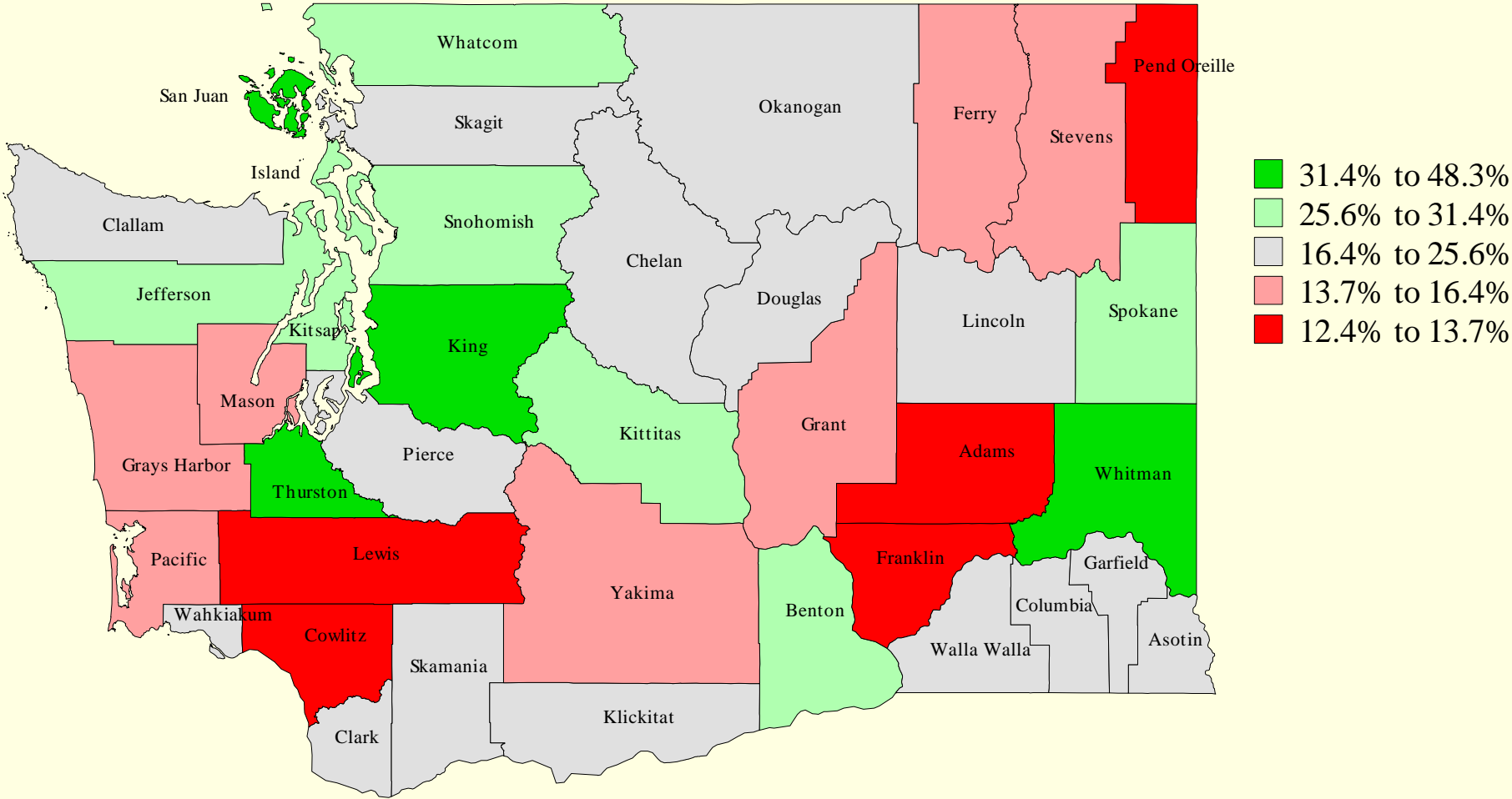
Washington = \$22,973
Data Source: US Census Bureau, 2000 Census

Percent of Families Living in Poverty, 1999



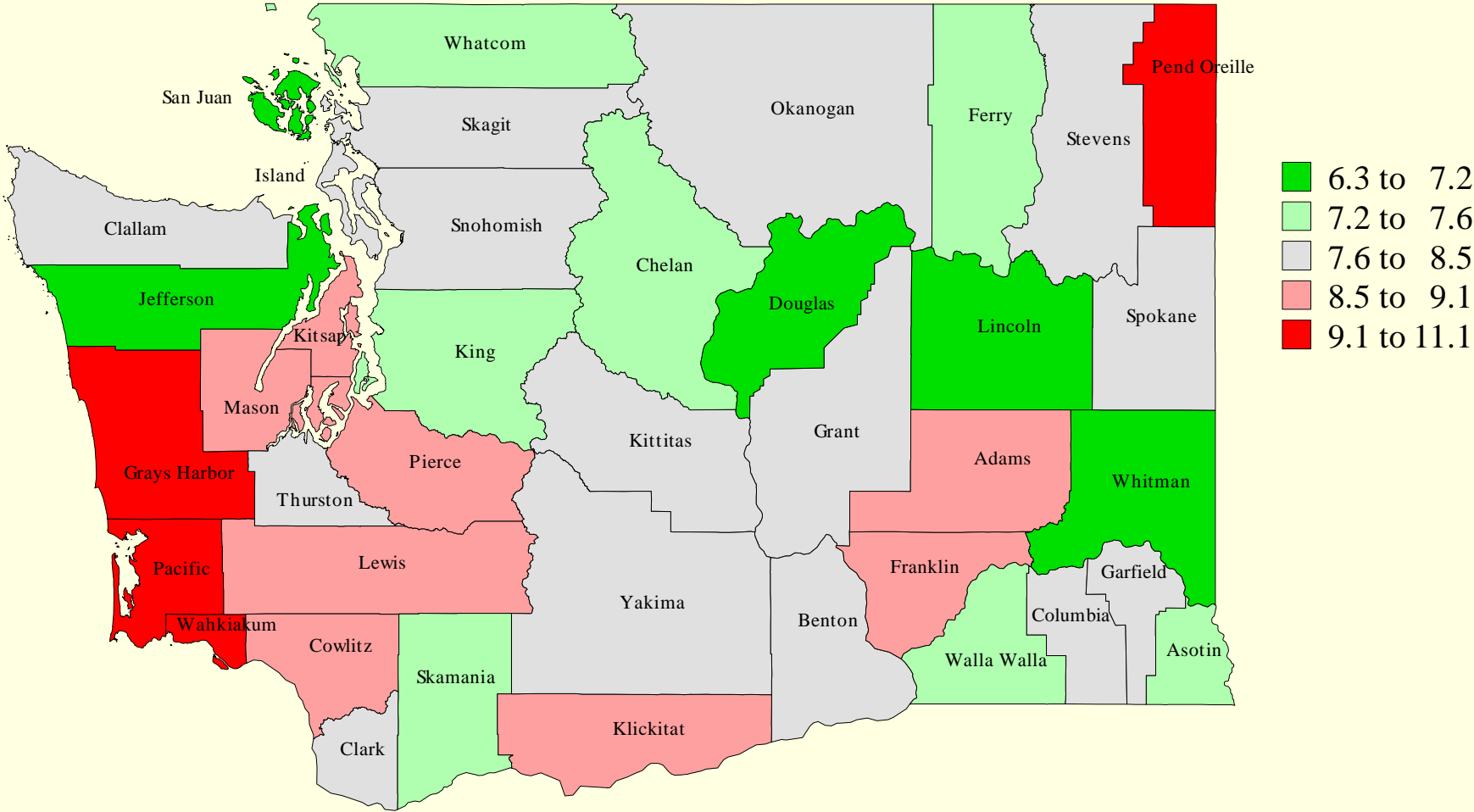
Washington = 7.3%
Data Source: US Census Bureau, 2000 Census

Percent of 25-64 Year Olds With at Least a Baccalaureate Degree, 2000



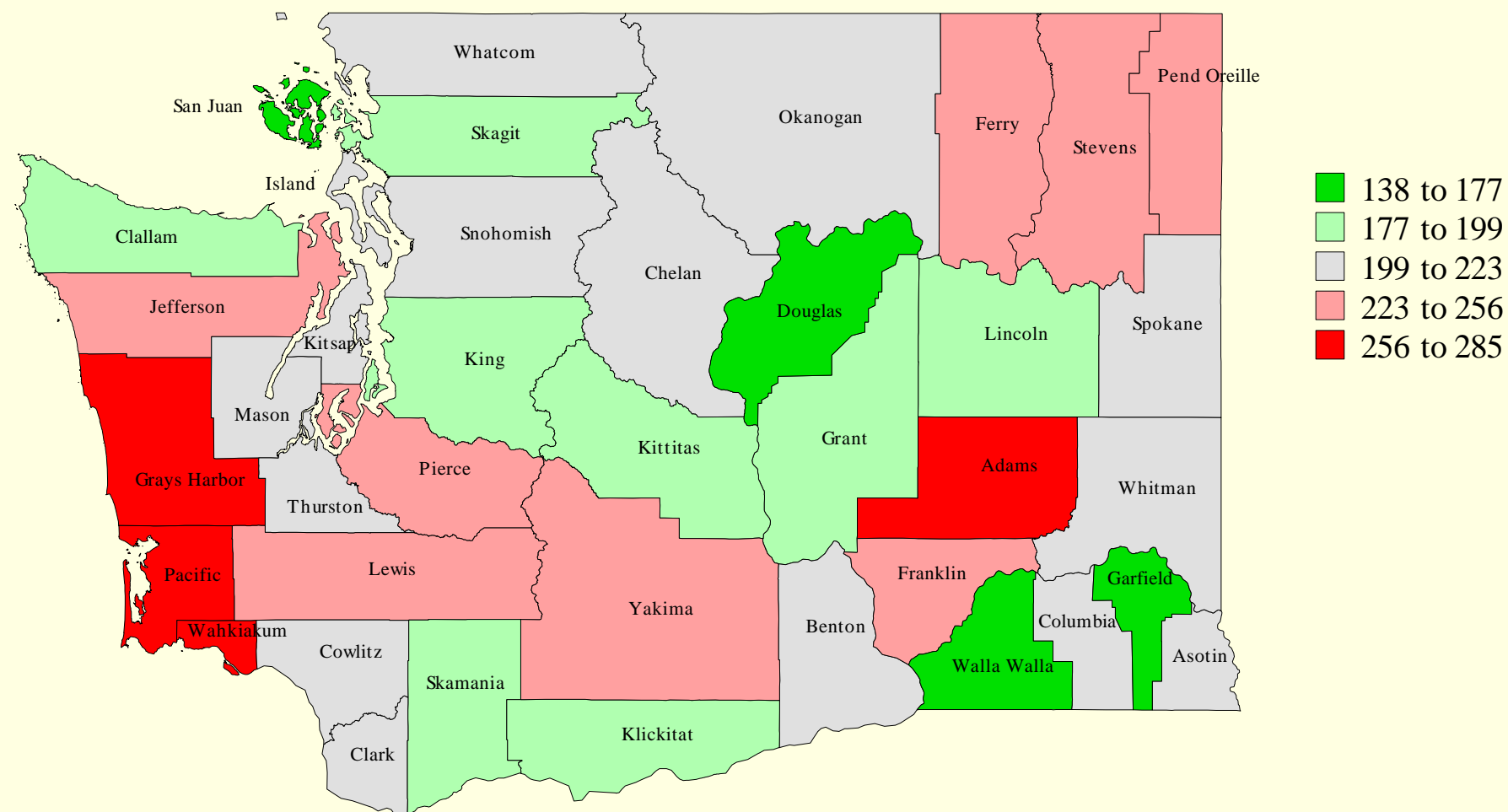
Washington = 29.5%
Data Source: US Census Bureau, 2000 Census

Number of Deaths per 1,000 Residents (Age Adjusted Rates) due to all Causes, 2001



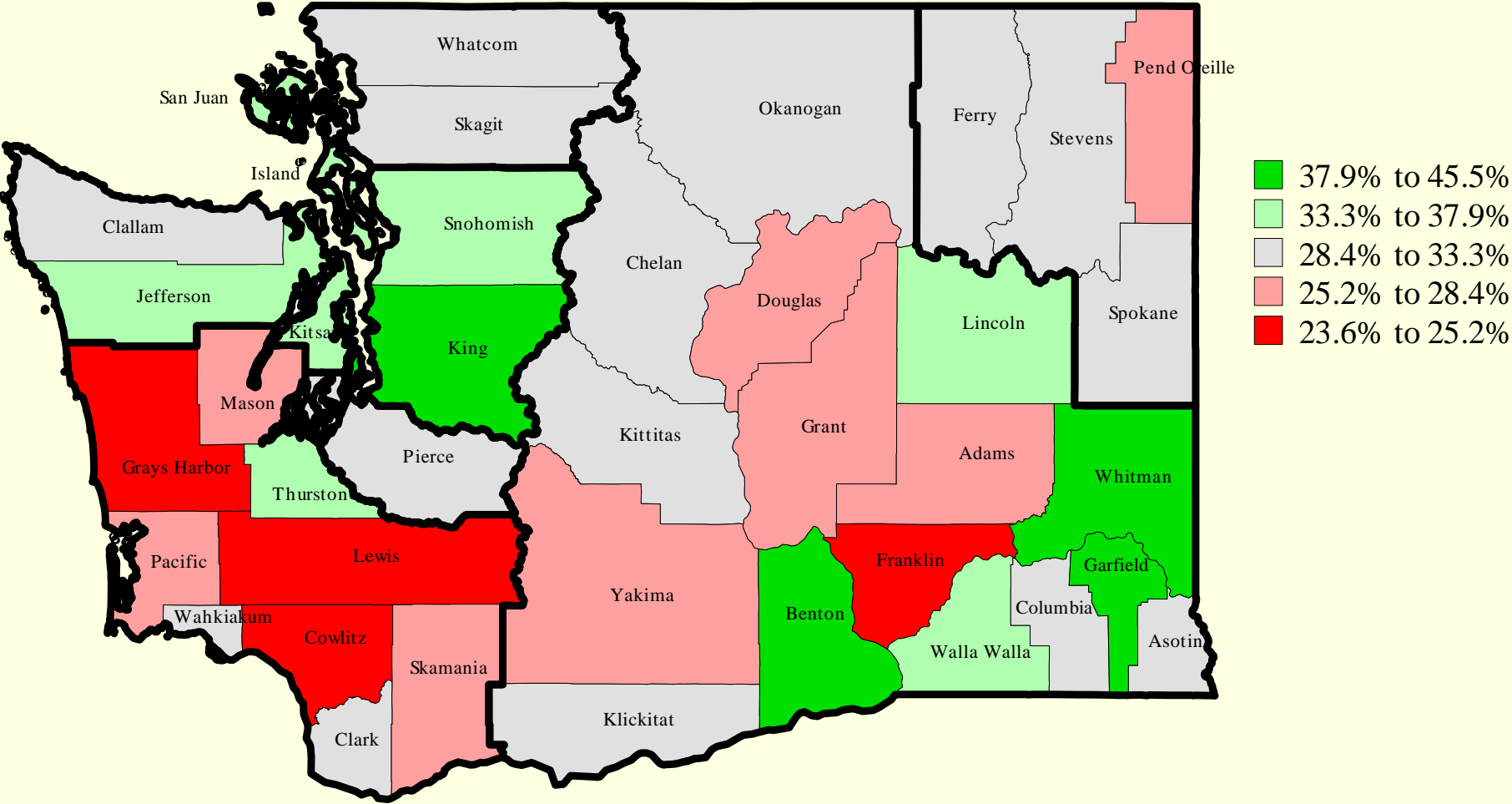
Washington = 8.0
Data Source: Washington State Department of Health

Number of Deaths per 100,000 Residents (Age Adjusted Rates) due to Heart Disease, 2001



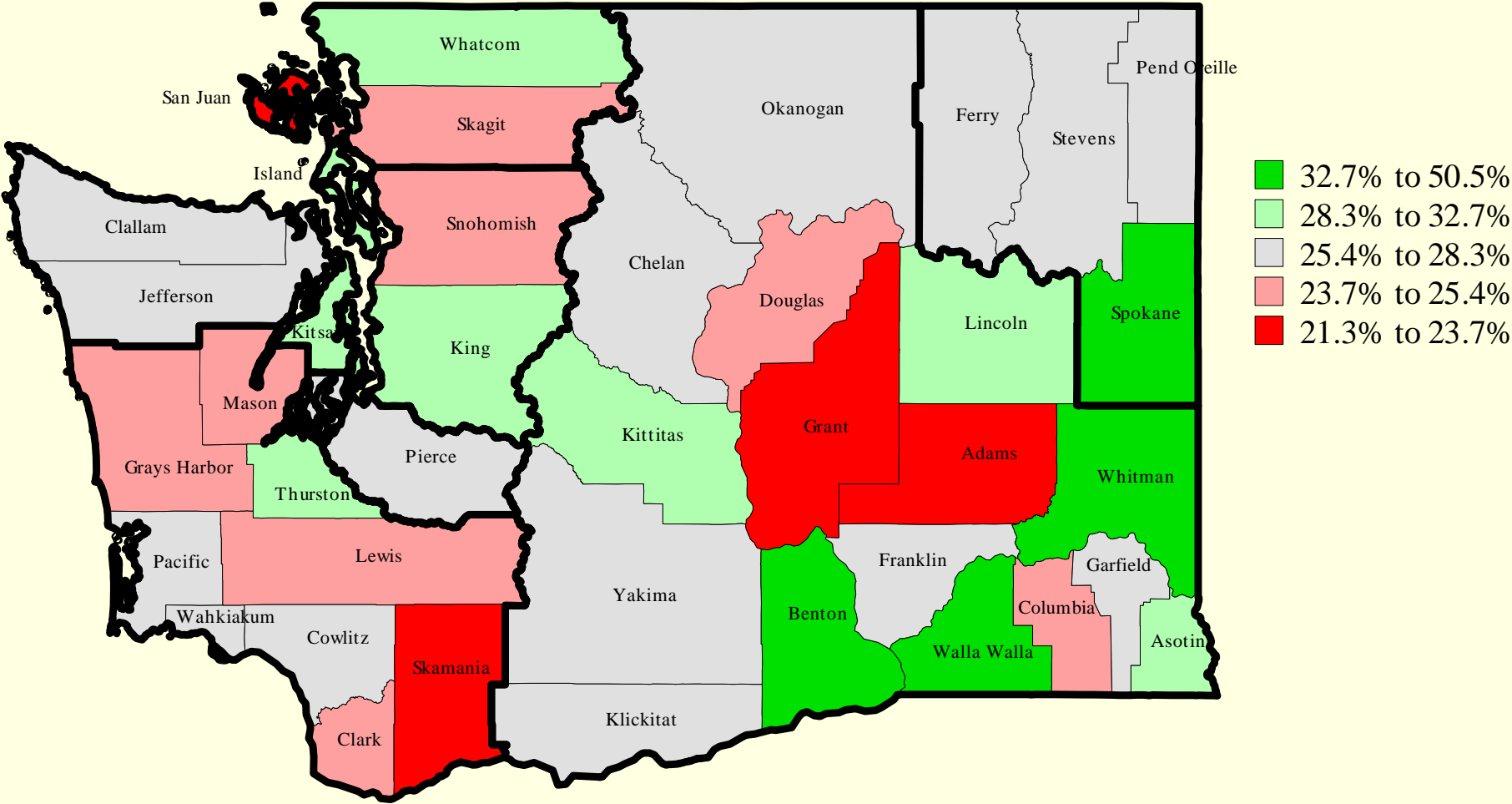
Washington = 202
Data Source: Washington State Department of Health

Percent Employed in Managerial & Professional Occupations, 2000



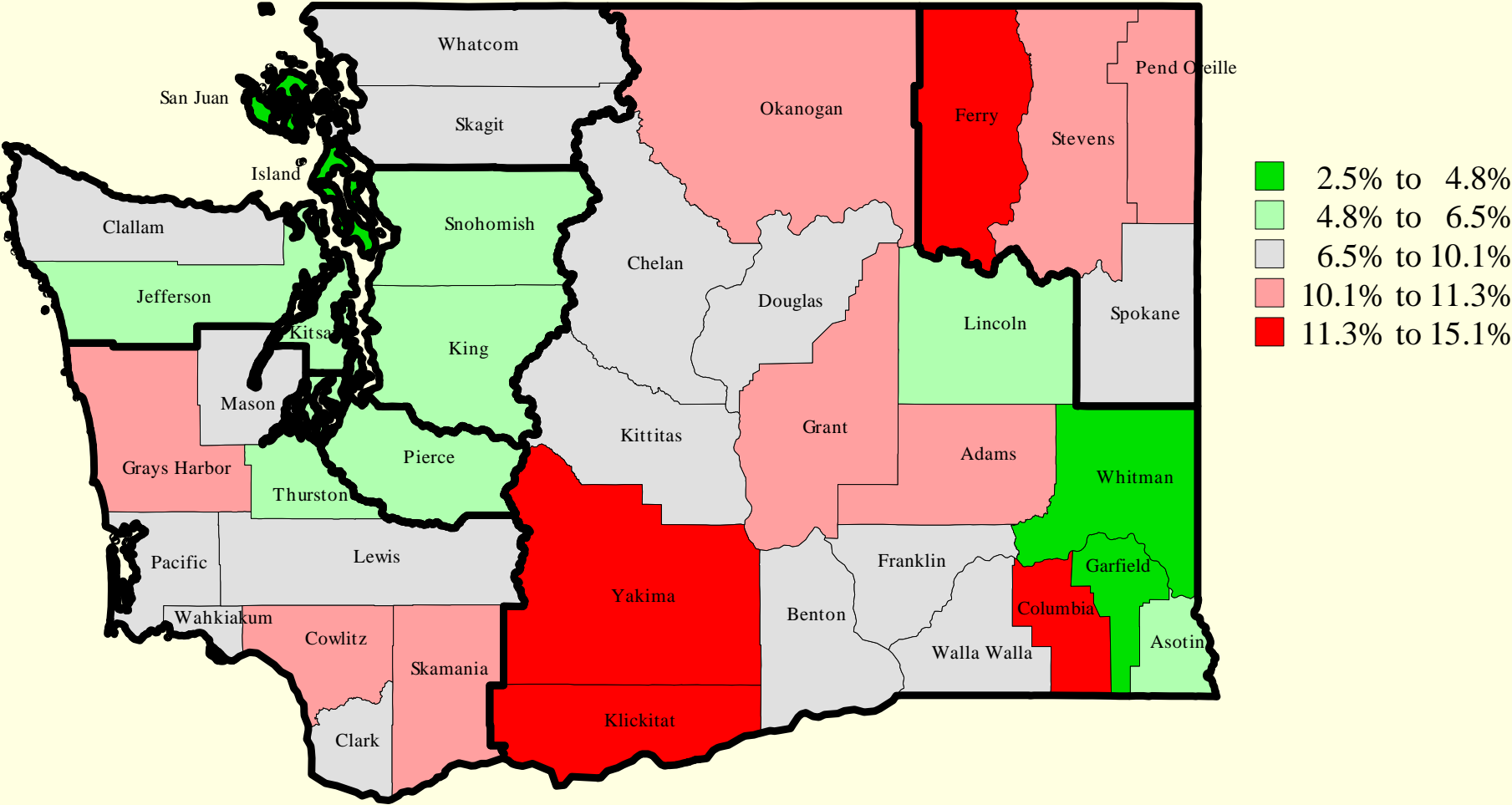
Washington = 35.6%
Data Source: US Census Bureau, 2000 Census

Percent Employed in Professional, Education, Health, and Social Service Industries, 2000



Washington = 29.1%
Data Source: US Census Bureau, 2000 Census

Washington Unemployment Rate, 2001



Washington = 6.4%
Data Source: Bureau of Labor Statistics

Emerging Themes

- Improve college participation
- Additional capacity
 - Additional participants
 - Upper division/transfers
- Improve responsiveness to workforce needs
 - Teachers
 - Nurses
 - Engineers/computer scientists
 - Basic workplace skills (especially young adults)
- Enhance continuing professional education (post bacc.)
- Improve performance of high school students (particularly math)
- Decrease disparities across the state